

(1) Mathematics Department

- A. A. Bakr, M. A. A. Hamad, Dufour and chemical reaction effect on MHD free convective heat and mass transfer over a vertical surfaces in a porous media considering variable permeability, Middle East Journal of Scientific Research, Vol.6(5):PP. 472-482, (2010).
- A. Abdel-Baset Mohamed, on Unsteady natural convective power-law fluid flow past a vertical plate embedded in a non-Darcian porous medium in the presence of a homogenous chemical reaction, Faculty of Science, Assiut University, Assiut, Egypt, Vol. 374, pp. 4115 - 4119, (2010).
- A. J. Chamkh, M. A. Aly and M. A. Mansour, Unsteady natural convective power-law fluid flow past a vertical plate embedded in a non-Darcian porous medium in the presence of a homogenous chemical reaction, Nonlinear Analysis Modelling and Control, 15(2), 139-154, (2010).
- A. M. Rashad, A. Y. Bakier,& Rama Subba Reddy Gorla, Viscous dissipation and ohmic heating effects on magnetohydrodynamic mixed convection along a vertical moving surface embedded in a fluid-Saturated porous medium, Journal of Porous Media, Vol. 13:pp. 159-170, (2010).
- A. M. Saddeek, Coincidence points by generalized Mann iterates with applications in Hilbert spaces, Nonlinear Analysis : Theory Method and Application, vol 72(5):PP. 2262–2270 (2010).
- A. M. Zahran , M. Azab Abd- Allah, Kamal El-Saady and A. Ghareeb, A Note on L-double Gradation Fuzzy Topological and L-double Fuzzy Closure Spaces, Fuzzy Systems and Mathematics, , Vol. 24(3) , 53-61 (2010).

- A. M. Zahran, M. Azab Abd- Allah, Kamal El-Saady and A. Ghareeb, Double Fuzzy Semi-Topogenous Structures, The Journal of Fuzzy Mathematics, Vol. 18(2):PP. 1-16 (2010).
- A. M. Zahran, O. R. Sayed, M. Azab Abd-allah and A. K. Mousa, On fuzzifying nearly compact spaces, International Journal of Fuzzy Logic and Intelligent Systems, vol 10(4):PP. 296-302. (2010).
- A. Maher and A. Ye. Utkina, On a characteristic problem for a third order pseudoparabolic equation, (Iranian J. of Sci. and Technology (IJST) , Transaction A), Vol. 34(A4) :PP. 340-348. (2010).
- A. S. F. Obada, H. A. Hessian and A. B. A. Mohamed, Output entanglement from $SU(1, 1)$ coherent states under nonlinear dissipation in the dispersive limit, Physics A: Mathematical and Theoretical, Vol. 43:PP1-11, (2010).
- A. S. F. Obada, H. A. Hessian and M. Hashem, Quantum entanglement in a system of two moving atoms interacting with a single mode field, publishedin Phys. Scr. 81(5) (2010)
- A. S. F .Obada, H. A. Hessian, A. B. A. Mohamed, Invariant dynamics of a superconducting qubitstron glycoupledto acavity field withoutenergyrelaxation, Physica E, Vol. 42:PP. 1262–1266, (2010).
- A.Maher, The jump problem for mixed type equations with defects on the type change line, Boundary Value Problems, Vol. 2010:PP. 1-15, (2010).
- A.Yousof Bakier, Effect of Thermophoresis on Natural Convection Boundary Layer Flow of A Micropolar Fluid, Thermal Science, Vol. 14(1):pp. 171-181, (2010).
- D.Nashat, Xiaohong Jiang and Michitaka Kameyama, Group Testing Based Detection of Web Service DDoS Attackers, IEICE Transactions on Communications, Vol. Exx: PP.1-9 (2010).

- F. H. Khedr, ij-Lambda -sets in Bitopological spaces, Assiut Univ. J. of Mathematics and computer Science, Vol. 39(2):PP.1-20, (2010).
- F. H. Khedr, Operations on Bitopological spaces, Fasciculi Mathematici, Vol. 45:PP. 47-57,(2010).
- F. S. Ibrahim, F. M. Hady, S. M. Abdel-gaied, R. Mohamed EID, Influence of chemical reaction on heat and mass transfer of non-Newtonian fluid with yield stress by free convection from vertical surface in porous medium considering Soret effect, Applied Mathematics and Mechanics (English Edition), Vol. 31(6):PP. 675–684,(2010).
- G. M. Mahmoud and E. E. Mahmoud, Complete synchronization of chaotic complex nonlinear systems with uncertain parameters, Nonlinear Dynamics, Vol. 62:PP. 875-882, (2010).
- G. M. Mahmoud and E. E. Mahmoud, Phase and anti-phase synchronization of two identical hyperchaotic complex nonlinear systems, Nonlinear Dynamics, Vol. 61:PP. 141-152, (2010).
- G. M. Mahmoud and E. E. Mahmoud, Synchronization and control of hyperchaotic complex Lorenz system, has been presented at Dynamics Days Europe 2008 Conference, 25-29 August 2008, Delft, The Netherlands, and Mathematics and Computers in Simulation 80, 2286-2296 (2010).
- G. M. Moatimid and H. M. Obied Allah, Electrohydrodynamic linear stability of finitely conducting flows through porous fluids with mass and heat transfer, Applied Mathematical Modelling, vol 34:PP. 3118-3129, (2010).
- H. A. Hessian, A. S. F. Obada , A. B. A. Mohamed, Effect of atomic spontaneous decay on entanglement in the generalized Jaynes–Cummings model, Annals of Physics, Vol. 325:PP. 519–527, (2010).
- H. M. El-Hawary and T. S. El-Sheshtawy, Spectral Method for Solving The General Form Linear Fredholm-Volterra

- Integro Differential Equations Based on Chebyshev Polynomials, Journal of Modern Methods in Numerical Mathematics, Vol. 1, No 1:PP.1-11, (2010).
- H. M. El-Hawary and T. S. El-Sheshtawy, Ultraspherical Pseudospectral Integration Method, International Conference on Mathematics and Information Science, (2010).
- H. M. Moustafa, S. G. Ramadan, S. A. Mohammed , Nonlinear Discriminant Functions for Mixed Random Walk Models, Journal: Communications in Statistics - Simulation and Computation , Vol. 39(10):PP. 1923–1938 • 9, (2010), Taylor & Francis.
- H. Ammar Hessian, Entropy Growth And Degradation Of Entanglement Due To Phase Decoherence In Ion Traps, Russian Laser Research, Vol. 31, No. 1:PP.70-78, (2010).
- I. A. Hassanien and Z. Z. Rashed, Effects of variable viscosity and thermal conductivity on the Brinkman model for mixed convection flow past a horizontal circular cylinder in a porous medium , Journal of Porous Media, Vol. 13(1):PP. 53-66, (2010).
- J. Ali Chamkha, M. A. Mansour, E. Sameh Ahmed, Double-diffusive natural convection in inclined finned triangular porous enclosures in the presence of heat generation/absorption effects, Heat and Mass Transfer, Vol. 46(7):PP. 757-768, (2010).
- J. Ali Chamkha, M. A. Mansour, E. Sameh Ahmed, Unsteady Mixed Convection of a Micropolar Fluid in A Lid-Driven Cavity: Effects of Different Micro-Gyration Boundary Conditions, International Journal of Energy & Technology, Vol. 2(6):PP. 1–11, (2010).
- K. E. Ahmad, Z. F. Jaheen, and A.A. Modhesh, Estimation of a discriminant function based on small sample size from a mixture of two Gumbel distributions, Communications in

Statistics: Simulation and Computation , Vol. 39:PP. 713-725, (2010).

- M. A. Mansour, A. J. Chamkha, R. A. Mohamed,M. M. Abd El-Aziz, S. E. Ahmed, MHD natural convection in an inclined cavity filled with a fluid saturated porous medium with heat source in the solid phase, Nonlinear Analysis: Modelling and Control, Vol. 15 (1):PP. 55–70, (2010).
- M. A. Mansour, R. A. Mohamed, M. M. Abd-Elazis, E. Sameh Ahmed, Numerical simulation of mixes convection flows in a square lid-driven cavity partially heated from below using nanofluid, International Communications in Heat and Mass Transfer, Vol. 37:PP. 1504-1512,(2010).
- M. A. Mansour, R. A. Mohamed, M. M. Abd-ElAziz, E. Sameh Ahmed, Natural Convection Heat and Mass Transfer in Porous Triangular Enclosures with The Effects of Thin Fin and Various Thermal and Concentration Boundary Conditions in the Presence of Heat Source, International Journal of Energy & Technology, Vol. 2(3):PP. PP. 1–13, (2010).
- M. A. Soliman, N. H. Abdel-All, S. A. Hassan, and E. Dahi, Singularities of Gauss Map of Pedal Hypersurface in R^{n+1} , Fourth Saudi Science Conference,(2010).
- M. A. Soliman, S. A.Hassan and Y. Eman Abd Elmonem, Examples of surfaces Gained By Variation of Pedal Surfaces in E^{n+1} , J. Egypt Math.Soc.Vol.18(1):PP. 91-105. (2010).
- M. Azab Abd-Allah, L-fuzzifying preproximity spaces and L-fuzzifying preuniform spaces, Applied Mathematics Letters, Vol. 23 (9):PP. 1087-1094 (2010).
- M. D. Jashim Uddin, S. M. Negim, M. A. A. Hamad, A. I. M. D. Ismail, Similarity solution of MHD heat and mass transfer over a vertical permeable flat plate with variable concentration, chemical reaction and viscous dissipation, World Applied sciences, Vol.10(8):PP. 899-910, (2010).

- M. H. Mohamed, Abdel-Rahiem A. Hashem, M. M. Abdelsamea, Data Mining Techniques for Missing Value Imputation, Journal of Engineering Sciences Vol. 38 (4) PP. 1001-1012 (2010).
- M. S. Metwally, M. T. Mohamed and A. Shehata, On Pseudo Hermite Matrix Polynomials of two Variables, Banach Journal of Mathematical Analysis, Vol. 4:PP. 147--156. ,(2010).
- M. T. Mohamed, A. Shehata, A Study Of Appell's Matrix Functions Of Two Complex Variables And Some Properties, Advances and Applications in Mathematical Sciences Vol. 9 (1), PP. 23-33 (2010).
- N. A. Hussein , D. A. Eisa, The Quantum Excess Free Energy for Two Component Plasma Contrib. Plasma Phys. Vol. 51(6): PP. 574-583, (2010).
- O. R. Sayed and T. Noiri, On supra b-open sets and supra b-continuity on topological spaces, European Journal of Pure and Applied Mathematics, Vol. 3(2):PP. 295-302, (2010).
- O. R. Sayed, Supra pre-open sets and supra pre- continuity on topological spaces,Vasile Alecsandri, University of Bacau Faculty of Science-Scientific Studies and Research Series Mathematics and Informatics, Vol. 20(2):PP. 79-88, (2010).
- R. A. Rashwan, On Some Common Fixed Points for Iteratesin MetrizableTopological Vector Spaces, Fourth Saudi Science Conferenc March 21-24 Oral-MAN- 02.E (2010).
- R. A. Rashwan, S. M. Altwqi, On the Convergence of Three-Step iteration Process with Errors for Nonexpansive Nonself Mappings, Int.Journal of Math. Analysis, Vol. 4 (4): PP. 157-166, (2010).
- T. Ibrahim, S. M. Furnell, M. Papadaki and N. L. Clarke, Assessing the Usability of End-User Security Software, Lecture Notes in Computer Science, Volume 6264/2010:PP. 177-189, (2010).

- T. S. El-Sheshtawy, H. M. El-Hawary, Numerical Treatment of Differential and Integral Equations by Spectral Methods, Lap Lambert Academic Publishing, (2010).
- V. R. Prasad, A. Y. Bakier, O. A. Bég, and Q. Li, Mathematical Modelling Of Buoyancy-Driven Magneto-Convective Heat And Mass Transfer From An Isothermal Sphere In A Non-Darcy Permeable Regime With Thermophysical Effects, Int. J. of Appl. Math and Mech., Vol. 6(5):PP. 80-98, (2010).
- A. A. Ahmad, and S. A. Mohammed, Bayesian Estimation Of Finite Mixture Distributions under Generalized Type-I Hybrid Censoring Scheme From Generalized Order Statistics, In the 3rd Scientific Conference for Young Researchers,Basic Science & Technology, 19-20 April, (2011).
- A. Abd EL-Baset Ahmad, On Bayesian prediction intervals of future generalized order statistics using doubly censoring, Statistics, Vol. 45(5):PP. 413-425. (2011).
- A. Abdel-Baset Mohamed, Effect of atomic spontaneous decay on dynamics of negativity of the Wigner function of radiation, Chin. Phys. B , Vol. 20, No. 9, (2011).
- A. Abdel-Baset Mohamed, Entanglement Death And Purity Loss Forever In The Dispersive Interaction Of A Trapped Ion And Light Without Energy Relaxation, International Journal of Quantum Information , Vol. 9(1):PP. 519-530, (2011).
- A. B. A. Mohamed, H.A. Hessian, A. S. F. Obada, Entanglement sudden death of a SC-qubit strongly coupled with a quantized mode of a lossy cavity, a Faculty of Science, Assiut University, Assiut, Egypt b Faculty of Science, Al-Azhar University, Nasr City, Cairo, Egypt, Vol. 390:PP. 519 - 524, (2011).
- A. B. A. Mohameda, A. S. F. Obada, Asymptotic geometric phase and purity for phase qubit dispersively coupled to

lossy LC circuit, Annals of Physics, Vol. 326:PP. 2369-2376, (2011).

- A. M. A. Abou-El-Ela, A. I. Sadek and A. M. Mahmoud, Periodic Solution for Third-order Delay Differential Equation with Two Deviating Arguments, J. Math. Sci. Univ. Tokyo, Vol.18:PP. 35-49, (2011).
- A. M. A. Abou-El-Ela, A. I. Sadek, and A. M. Mahmoud, On the stability of solutions of a certain nonlinear delay differential equation of the fifth-order, proceeding in the 3rd Scientific Conference for Young Researchers Basic Science & Technology, Assiut University, Egypt, (2011).
- A. M. A. Abou-El-Ela, A. I. Sadek, and A. M. Mahmoud, Periodic solutions for a kind of third-order delay differential equations with a deviating argument, J. Math. Sci. Univ. Tokyo, Vol. 18:PP. 1-15, (2011).
- A. M. A. Abou-El-Ela, A. I. Sadek, and R. O. A. Tayei, Existence of positive periodic solutions of certain third-order nonlinear delay differential equation, Ann. of Diff. Eqs. Vol. 27(4):PP. 409 -417, (2011).
- A. M. Saddeek, Convergence analysis of generalized iterative methods for some variational inequalities involving pseudo-monotone operators in Banach spaces, Applied Mathematics and Computation, Vol. 217(10):4856-4865(2011).
- A. M. Zahran, M. Azab Abd-Allah and A. Ghareeb, Several Types of Double Fuzzy Irresolute Functions, International Journal of Computational Cognition , Vol. 8(2):PP. 19-23. (2011).
- A. Maher and A. Ye. Utkina, On the cases of explicit solvability of a third order partial differential equation, Iranian J. of Sci. and Technology (IJST), Transaction A, Vol. 34, No. A2:PP. 104-112 (2010).

- A. Maher and A. Ye. Utkina, On the Goursat problem for a linear partial differential equation, IJST, Vol. 35(3):PP. 193-199, (2011).
- A. Maher, Invsestigating questions of problem solvability reduced to the Goursat problem for a fourth order equation, IJPAM, Vol. 68 (2): PP. 225-232, (2011).
- A. S. F. Obada, H. A. Hessian and M. Hashem, Entanglement and purity loss for the system of two2-level atoms in the presence of the Stark shift, published in Quantum Information Processing Vol. 10(4): PP. 543-556 (2011).
- A. Shehata and M. Abul-Dahab, A new extension of Humbert matrix function and their properties, Advances in Pure Mathematics, Vol. 1(6):PP. 315-321, (2011).
- A. Shehata, On Tricomi and Hermite-Tricomi matrix functions of complex variableA, Communications in Mathematics and Applications, Vol. 2(2-3):PP. 97 – 109., (2011).
- A. Maher, Boundary value problems for the generalized Tricomi equation, Kuwait Journal of Science and Engineering (KJSE, Vol. 38, No.(2A), PP. 1-14, (2011).
- A. Maher, Investigating questions of problem solvability reduced to the Goursat problem for a fourth order equation, International Journal of Pure and Applied Mathematics, Vol. 68, No. 2, PP. 225-232, (2011).
- A. Rafiq and R. A. Rashwan, New Approximation Schemes For Three Fixed Points Of Finite Family Of Asymptotically Pseudocontractive Mappings, General Mathematics Journal ,Vol. 21(2) PP. 113-123 (2011).
- E. Mabrouk, J. C. Hernandez-Castro and M. Fukushima, Efficient Pseudorandom Number Generators by Means of Tabu Programming, the 5th International Conference on Intelligent Computing and Information Systems, Cairo, Egypt, (2011).

- E. Mabrouk, J. C. Hernandez-Castro and M. Fukushima, Prime Number Generation Using Memetic Programming, *Artificial Life and Robotics*, Vol. 16:pp. 53-56, (2011).
- F. H. Khedr and H. S. Al-Saadi, On pairwise theta generalized closed sets, *Journal of International Mathematical Virtual Institute*, Vol. 1:PP. 37 – 51, (2011).
- F. M. Hady, F. S. Ibrahim, S. M. Abdel-Gaied and M. R. Eid, Influence of yield stress on free convective boundary-layer flow of a non-Newtonian nanofluid past a vertical plate in a porous medium, *Journal of Mechanical Science and Technology*, Vol. 25 (8):PP. 1-8, 25, (2011).
- F. M. Hady, F. S. Ibrahim, S. M. Abdel-gaied, M. R. Eid, Boundary-layer non-Newtonian flow over vertical plate in porous medium saturated with nanofluid, *Applied Mathematics and Mechanics (English Edition)*, Vol. 32(12):PP. 1577–1586, (2011).
- F. M. Hady, F. S. Ibrahim, S. M. Abdel-Gaied, M. R. Eid, Effect of heat generation/absorption on natural convective boundary-layer flow from a vertical cone embedded in a porous medium filled with a non-Newtonian nanofluid, *International Communications in Heat and Mass Transfer*, Vol. 38, PP.1414-1420, (2011).
- G. M. Mahmoud and E. E. Mahmoud, Modified projective lag synchronization of two non-identical hyperchaotic complex nonlinear systems, *Nonlinear Dynamics and Complexity: Theory, Methods and Applications*, Thessalonki, Greece, Int. J.of Bifurcation and Chaos Vol. 21(8): PP. 2369-2379 (2011).
- G. M. Mahmoud and M. E. Ahmed, Analysis of chaotic and hyperchaotic conservative complex nonlinear systems has been accepted as an oral presentation in the 3rd Scientific Conference for Young Researchers for Basic Science & Technology, organized by the Faculty of Science, Assiut University, Egypt, 19- 20, April 2011. (2011).

- G. M. Mahmoud and M. E. Ahmed, Modified projective synchronization and control of complex Chen and Lü systems, Journal of Vibration and Control, Vol. 17(8): PP. 1184 - 1194, (2011).
- G. M. Mahmoud, M. E. Ahmed and N. Sabor, On autonomous and non-autonomous modified hyperchaotic complex Lu systems, Int. J.of Bifurcation and Chaos, Vol. 21(7): .PP. 1913–1926 (2011).
- G. M. Mahmoud, M. E. Ahmed and Nabil Sabor, On autonomous and non-autonomous modified hyperchaotic complex Lü systems, The Fourth Saudi Science Conference, Taibah University, Al-Madinah Al-Munawarah, Kingdom of Saudi Arabia , March 21-24, 2010, and Int. J.of Bifurcation and Chaos Vol.21(7):PP. 1913–1926 (2011).
- H. Marghny Mohamed, M. Mohammed Darwieesh, ABM Shawkat Ali, Advanced matrix algorithm (AMA): reducing number of scans for association rule generation, International Journal of Business Intelligence and Data Mining, Vol. 6:PP. 202-214, (2011).
- H. Nassar Abdel-All and R. Haya Al-tameme, Line Intrinsic geometry of neighbouring surfaces, Far East J. of Math Sciences, Vol. 31(2):PP. 339-351, (2011).
- H. Nassar Abdel-All, Mohammed-Soliman, R. A. Huesien, and Ali Abdela Ali, Dual Construction of Developable Ruled Surface, Journal of American Science, Vol. 7(4) PP. 789-793 (2011).
- I. A. Hassanien, Z. Z. Rashed, Non-Darcy free convection flow over a horizontal cylinder in a saturated porous medium with variable viscosity, thermal conductivity and mass diffusivity, Commun Nonlinear Sci Numer Simulat, Inter . J. of Pure and Appl. Math. (IJPAM) Vol. 16(4):PP. 1931-1941, (2011).

- K. E. Ahmad, Z.F. Jaheen, and H.S. Mohamed, Bayesian estimation under a mixture of the Burr type XII distribution and its reciprocal, *Journal of Statistical Computations and Simulation*, Vol. 81:PP. 2121-2130, (2011).
- K. E. Ahmad, Z.F. Jaheen, and H.S. Mohamed, Finite mixture of Burr type XII distribution and its reciprocal: properties and applications, *Statistical Papers*, Vol. 52:PP. 835–845, (2011).
- L.Mohan Upadhyaya and A. Shehata, On Legendre matrix polynomials and its applications, *International Transactions in Mathematical Sciences and Computer*, Vol. 4 (2):PP. 291-310, (2011).
- M. A. A. Hamad, A. M. Rohni, I. Pop, Magnetohydrodynamics forced convection boundary layer flow and heat transfer over a moving permeable flat in a nanofluid: Dual solutions, 12th. UKHTC conference, Leeds University, England, 9(2011)
- M. A. A. Hamad, M. A. Bashir, Similarity solutions of the effect of variable viscosity on unsteady mixed convection boundary layer flow over a vertical surface embedded in a porous medium via HAMAD formulations, *World Applied Science Journal*, Vol. 12(4):PP. 519-530, (2011).
- M. A. A. Hamad and I. Pop, Scaling transformations for boundary layer stagnation-point flow towards a heated permeable stretching sheet in a porous medium saturated with a nanofluid and heat absorption/generation effects, *Transport in Porous Media*, Vol.87:PP. 25-39, (2011).
- M. A. A.Hamad, Analytical solution of natural convection flow of a nanofluid over a linearly stretching sheet in the presence of magnetic field, *Int. Comm. In Heat and Mass Transfer*, Vol. 38:PP. 487-492, (2011).

- M. A. A. Hamad, Formulations: General Formulations for Exact and Similarity Transformations of ODEs and PDEs, World Applied Science Journal, Vol. 12(4):PP. 509-518, (2011).
- M. A. A. Hamad, I. A. Hassanien, E. Kh. H. El-nahary, Discrete Symmetries Analysis of Burgers Equation with Time Dependent Flux at the Origin, World Applied Sciences Journal, Vol. 12(12):PP. 2291-2300, (2011).
- M. A. A. Hamad, I. Pop and A. I. Md. Ismail, Local similarity solutions for the free convective boundary-layer flow over a vertical semi-infinite cylinder embedded in a porous medium saturated with a nanofluid, Australian J. of Basic and Applied Sciences, Vol.5(2):PP. 147-156, (2011).
- M. A. A. Hamad, I. Pop, A.I. Ismail, Magnetic field effects on free convection flow of a nanofluid past a semi-infinite vertical flat plate, Nonlinear Analysis: Real World Applications, Vol.12:PP. 1338–1346, (2011).
- M. A. A. Hamad, I. Pop, Unsteady MHD free convection flow past a vertical permeable flat plate in a rotating frame of reference with constant heat source in a nanofluid, Heat Mass Transfer , Vol. 47:PP. 1517–1524, (2011).
- M. A. A. Hamad, L. Kasseb Mahny, M. R. Abdel-Salam, Similarity Solution of Viscous Flow and Heat Transfer of Nanofluid over a Nonlinearly Stretching Sheet, Middle-East Journal of Scientific Research , Vol. 8 (4):PP. 764-768, (2011).
- M. A. Mansour, J. Ali Chamkha, and E. Sameh Ahmed, Mixed convection flow of a nanofluid in a square lid-driven cavity with a localized heat source at the bottom wall, International Journal of Microscale and Nanoscale Thermal and Fluid Transport Phenomena, Vol. 2 No. 3, (2011).
- M. A. Mansour, M. M. Abd-Elaziz, R. A. Mohamed and E. Sameh Ahmed, Numerical simulation of natural convection in wavy porous cavities under the influence of

- thermal radiation using a thermal non-equilibrium model, Transport Porous Media, Vol. 86:PP. 615-630. (2011).
- M. A. Mansour, M. M. Abd-Elaziz, R. A. Mohamed and E. Sameh Ahmed, Thermal Non-Equilibrium Modeling of Unsteady Natural Convection in Trapezoid-al Enclosures in the Presence of Thermal Radiation: Effect of Exponential Variation of Boundary Conditions, Special Topics & Reviews in Porous Media, Vol. 2(4):PP. 323–333(2011).
- M. A. Mansour, M. M. Abd-Elaziz, R. A. Mohamed, E. Sameh Ahmed, Unsteady Natural Convection , Heat and Mass Transfer in Inclined Triangular Porous Enclosures in the Presence oh Heat Source or Sink: Effect of Sinusoidal Variation of Boundary Conditions, Transp Porous Med, Vol. 87:PP. 7-23, (2011)
- M. A. Mansour, R. A. Mohamed and E. Sameh Ahmed, Natural convection cooling of a heat source embedded on the bottom of an enclosure filled with cu-water nanofluid: effects of various thermal boundary conditions, Heat Mass Transfer Vol. 47: PP. 1479–1490. (2011).
- M. A. Mansour, R. A. Mohamed, M. M. Abd-Elaziz and E. Sameh Ahmed, Thermal stratification and suction/injection effects on flow and heat transfer of micropolar fluid due to stretching cylinder, Int. J. Numer. Meth. Biomed. Engng. Vol. 27(12):PP. 1951-1963 (2011).
- M. A. Soliman, Nassar H. Abdel-all, S. A. Hassan and E. Dahi, Families of Maps Singularities and its Gauss Maps, Life Science Journa,Vol. 8(3):PP. 482-487. (2011).
- M. A. Soliman, Nassar H. Abdel-all, S. A. Hassan and E. Dahi, Singularities of Gauss Map of Pedal Hypersurface in R^{n+1} , Life Science Journal, Vol. 8(4):PP. 102-107. (2011).

- M. Azab Abd- Allah, Double Fuzzy Closure and Topological Spaces, The Journal of Fuzzy Mathematics, Vol 19(1):PP. 47-62 (2011).
- M. Azab Abd- Allah, Normality of Fuzzy Topological Spaces in Kubiak-Sostake, s, Bull. Korean Math. Soc. , Vol. 48(1):PP. 85-94. (2011).
- M. Ferdows, Esrat Jahan, M. A. A. Hamad, Masahiro OTA, Effects of Hall and ion-slip currents on free convective heat transfer flow past a vertical plate considering slip conditions, Canadian Journal on Science and Engineering Mathematics , Vol 2(2):PP. 70-76, (2011).
- M. H. Marghny, M. R. Abd El-Aziz, A. I. Taloba, An effective evolutionary clustering algorithm: Hepatitis C case study, International Journal of Computer Applications, Vol. 34(6):PP. 1-6, (2011).
- M. M. Abdelsamea, An Automatic Seeded Region Growing for 2D Biomedical Image Segmentation, Proceedings of the International Conference on Environment and BioScience, Singapore (2011).
- M. M. Abdelsamea, An Enhancement Neighborhood Connected Segmentation for 2D-Cellular Image, International Journal of Bioscience, Biochemistry and Bioinformatics IJBBB Vol.1(4): 256-260 ISSN: (2011).
- M. M. Abdelsamea, Unsupervised Parallel Extraction based Texture for Efficient Image Representation, Proceedings of the International Conference on Signal, Image Processing and Applications, SIA 2011, Chennai, India (2011).
- Md. J. Uddin, M. A. A. Hamad, Md. Ferdows, A. I. Md. Ismail, Parametric study on hydromagnetic flow and heat/mass transfer past a semi-infinite inclined plate in the presence of variable thermal conductivity and reactive index: A group theory approach, The 4th International Meeting on Advances in Thermofluids (IMAT2011), Melaka, Malaysia, (2011).

- N. A. Hussein and D. A. E. Ibrahim, The Quantum Equation of State of Fully Ionized Plasmas Contrib, Plasma Phys. Vol. 51(1):PP. 44 – 50, (2011).
- N. H. Abdel-All, M. A. A. Hamad, M. A. Abdel-Razek, A. A. Khalil, Computation of Some Geometric Properties for New Nonlinear PDE Models, Applied Mathematics, Vol. 2:PP. 666-675, (2011).
- R. A. Rashwan, S. M. Altwqi, Convergence Theorems For Common Fixed Points Of Nonself Asymptotically Nonexpansive Mappings, International Journal of Pure and Applied Mathematics, Vol.70(4):PP. 503-520. (2011).
- R. A. Rashwan, A common Fixed Point Theorems Of Two Random Operators Using Random Ishikawa Iteration Scheme, Bulletin Of International Mathematical Virtual, Vol. 1:PP. 45 -51. (2011).
- R. A. Rashwan, S. I. Maustafa, Common Fixed Point Theorems For Four Compatible Mappings In Menger Spaces, Bulletin Of International, Mathematical Virtual Institute Vol. 1:PP. 27 -38. (2011).
- R. A. Rashwan, S. M. Altwqi, Convergence Theorems For Common Fixed Points of Nonself Asymptotically Nonexpansive Mappings, International Journal of Pure and Applied Mathematics, Vol.70(4):PP. 503-520, (2011).
- S. E. Abbas and M. Azab Abd-Allah, Stratfied L-Fuzzy Topogenous Order Spaces, Journal of The Egyptian Mathematical Society, Vol. 8:PP. 19-23. (2011).
- S. F. Ateya, and A.A. Ahmad, Inferences based on generalized order statistics under truncated type I generalized Logistic distribution, Statistics, Vol. 45(4):PP. 389-402. (2011).
- Z. F. Jaheen, and M. M. Al Harbi, Bayesian estimation based dual generalized order statistics from the exponentiated Weibull Model, Journal of Statistical Theory and Applications, Vol. 10(4):PP. 591-602, (2011).

- Z. F. Jaheen, and M. M. Al Harbi, Bayesian estimation for the exponentiated Weibull model via Markov chain Monte Carlo simulation, Communications in Statistics: Simulation and Computation, Vol. 40:PP. 532–543, (2011).
- Z.M. G. Kishka, A. Shehata and M. Abul-Dahab, A new extension of hypergeometric matrix functions, Advances and Applications in Mathematical Sciences, Vol. 10, PP. 349 – 371, (2011).
- Z. F. Jaheen, and H.M. Okasha, E-Bayesian estimation for the Burr type XII model based on type-2 censoring, Applied Mathematical Modeling, Vol. 35:PP. 4730-4737, (2011).
- A. A. Allam, M. Y. Bakier and E. A. Abo-Tabl, Continuous Function by Relations, Assiut University Journal of Mathematics & Computer Science, Vol. 41(1) PP. 1-16 (2012)
- A. A. Allam, M. Y. Bakier and H. M. Binshahana, On Fuzzy Rough Sets, Models, Assiut University Journal of Mathematics & Computer Science, 7, (2012).
- A. Abdelsamee, Ahmed Fouad Ali, Abdel-Rahman Hedar, Design of a Hybrid Parallel Genetic Algorithm Based on Modified Master-slave Model with Population Partitioning for High Dimensional Problems, The 3rd Scientific Conference for Young Researchers Basic Science & Technology, (2012).
- A. Aziz, Md. Jashim Uddin, M. A. A. Hamad, A. I. Md. Ismail, MHD Flow Over an Inclined Radiating Plate with the Temperature-Dependent Thermal Conductivity, Variable Reactive Index, and Heat Generation, Heat Transfer Asian Research, Vol. 41(3): PP.241-259 (2012).
- A. M. A. Abou El-Ela, A. I. Sadek, and A. M, Mahmoud, Existence and uniqueness of a periodic solution for third-order delay differential equation with two deviating arguments, Existence and uniqueness of a periodic solution

for third-order delay differential equation with two deviating arguments, IAENG International Journal of Applied Mathematics, Vol. 42(1):PP. 7-12, (2012).

- A. M. A. Abou-El-Ela, A. I. Sadek and A. M. Mahmoud, On the stability of solutions of a certain fourth-order vector delay differential equation, Ann. of Diff. Eqs., Vol. 28(1):PP. 1-10 (2012).
- A. M. A. Abou-El-Ela, A. I. Sadek, and A. M. Mahmoud, On the stability criteria of linear non-autonomous time-varying delay system with application to control problem, Differential Equations and Control Processes Vol.1:PP. 146-163, (2012).
- A. M. Elaiw, A. A. Bakr and F. S. Ibrahim, Effect of variable viscosity on vortex instability of non-Darcy freeconvection boundary layer flow adjacent to a non-isothermal horizontal surface in a porous medium, Boundary Value Problems, Vol. 2012:26 DOI: 10.1186/1687-2770-2012-26, (2012).
- A. M. Elaiw, A. A. Bakr, M. A. Alghamdi, and F. S. Ibrahim, Effect of Variable Viscosity on Vortex, Instability of Non-Darcy Mixed Convection Boundary Layer Flow Adjacent to a Nonisothermal Horizontal Surface in a Porous Medium, Mathematical Problems in Engineering, Volume 2012 (2012), Article ID 691802, 14 pages (2012).
- A. M. Elaiw, I. A. Hassanien, S. A. Azoz, Global stability of HIV infection models with intracellular delays, Journal of the Korean Mathematical Society , vol 49 (4):PP.779-794, (2012).
- A. M. Saddeek and S. A. Ahmed, The Solution by Generalized Mann Iteration of Nonlinear Equations of the Pseudomonotone Type in Banach Spaces, Far East Journal of Applied Mathematics , Vol. 67(2):PP. 249-264, (2012).

- A. Maher and A. Ye. Utkina, On a solvability variant for a third and a fourth order pseudoparabolic equation, (ICMTD12), 27-29 Dec. (2012).
- A. Maher and E. M. Karachevskii, The existence of eigenvalue problems for the waveguide theory, Boundary value problems Vol. 2012:133:PP.1-9, (2012)
- A. Mohamed Mansour, M. Mohamed Abd-Elaziz, Ramadan Abdalla, Sameh Elsayed, Effect of sinusoidal variations of boundary conditions on unsteady double diffusive convection in a square enclosure filled with a porous medium, International Journal of Numerical Methods for Heat & Fluid Flow, Vol. 22 (1) , pp. 129 – 146, (2012).
- A. S. F .Obada, A. B. A. Mohamed, Death of entanglement and non-locality in a superconducting qubit-field entangled state in a thermal reservoir, Optics Communications, Vol.285, PP.3027–3031, (2012).
- A. S. F. Obada, H. A. Hessian, A. B. A. Mohamed and M. Hashem, Wigner function and phase properties for two qubits-field system under pure phase noise, Journal of Russian Laser Research, 33(4):PP. 369-378, (2012).
- A. S. F. Obada, H. A. Hessian, A. B. A. Mohamed, and M. Hashem, Control of purity and entanglement for two spatially two-separated qubits via phase damping, Chin. Phys. B, Vol. 21, No. 10, (2012).
- A. S. F. Obada, H. A. Hessian, A. B. A. Mohamed, and M. Hashem, Death Of Entanglement And Purity In A Two Qubits–Field System Induced By Phase Damping, Journal of Russian Laser Research, Vol. 33, No. 1, PP.32-41, (2012).
- A. S. F. Obada, H. A. Hessian, A. B. A. Mohamed, and M. Hashem, Wigner Function And Phase Propertie For A Two-Qubit Field System Under Pure Phase Noise, Journal of Russian Laser Research, Vol. 33- No.4:PP. 369-378, (2012).

- A. S. Saluja, R. A. Rashwan, and Pankaj Kumar Jhade, Approximating Common Fixed Points Of Finite Family Of Asymptotically Nonexpansive Non-Self Mappings, Bulletin of International Mathematical Virtual Institute, Vol.2 PP. 195-204 (2012).
- A. Shehata, A new extension of Gegenbauer matrix polynomials and their properties, Bulletin of International mathematical Virtual Institute, Vol. 2:PP. 29-42., (2012),
- A. Shehata, A new extension of Hermite-Hermite matrix polynomials and their properties, Thai Journal of Mathematics, Vol. 10(2): PP. 433-444, (2012).
- A.A. Ahmad, Joint moment generating functions of nonadjacent dual generalized order statistics from refelected generalized Pareto distribution, Commun. Statist.-Theor. Meth., Vol 41(15):PP. 2762-2772, (2012).
- A.-B.A .Mohamed, Quantifying Quantumness with Sudden Birth or Death of Entanglement for Two-Qubits System, Int J Theor Phys, Vol. 51(9):PP.2779-2786, (2012).
- A.Hedar, Amr Abdelsamee, Ahmed Fouad Ali, Sherif Tewfik, Advanced Parallel Genetic Algorithm with Gene matrix for Global Optimization, Proceeding of AMLTA , Vol. 322:PP. 295–303, (2012).
- E. Sameh Ahmed and M. A. Mansour, Numerical Study Of Mixed Convection In Partially Heated Lid-Driven Cavities Filled With Nanofluids, Int. J. of Appl. Math and Mech., Vol. 8(8), pp. 34-54, (2012).
- E.Jahan, M. Ferdows, M. A. A. Hamad, Adrian Postelnicu, Magneto micropolar flow considering weak concentration over a vertical porous surface in the presence of viscous dissipation and ohmic heating: Effects of Hall and ion-slip currents, Progress in Computational Fluid Daynamicas, Vol. 12:PP.415-426, (2012).
- F. H. Khedr, and H. S Al-Saadi, Generalized semi-closed functions and semi-generalized closed functions in

- bitopological spaces, Journal of the Egyptian Mathematical Society, vol 20, PP14–19., (2012).
- F. H. Khedr, and H. S. Al-Saadi, Pairwise weakly and pairwise strongly irresolute functions, Journal of the Egyptian Mathematical Society, vol 20, PP7–13, (2012).
- F. M. Hady, F. S. Ibrahim, H. M. El-Hawary and A. M. Abdelhady, Forced Convection Flow of Nanofluids Past Power Law Stretching Horizontal Plates, Applied Mathematics, Vol 3, PP.(121-126)., (2012).
- F. M. Hady, F. S. Ibrahim, H. M. H. El-Hawary, and A. M. Abdelhady, Effect of Suction/Injection on Natural Convective Boundary-Layer Flow of A Nanofluid Past A Vertical Porous Plate Through A Porous Medium, Journal of Modern Methods in Numerical Mathematics, Vol. 3(1), pp. 53-63, (2012).
- G. M. Mahmoud and E.E. Mahmoud, Lag synchronization of hyperchaotic complex nonlinear systems, Nonlinear Dynamics: Vol. 67(2), PP. 1613-1622. (2012).
- G. M. Mahmoud and M. E. Ahmed, A hyperchaotic complex system generating two-, three-, and four-scroll attractors, Journal of Vibration and Control ,Vol. 18(6), PP 841-849, (2012).
- G. M. Mahmoud and M. E. Ahmed, Chaotic and hyperchaotic complex jerk equations, the 2nd Int. Conference on Mathematics and Information Science (ICMIS 2011), Sohag University, Sept. 10-13, 2011, Sohag, Egypt, and the International Journal of Modern Nonlinear Theory and Application (IJMNTA) , 2012, 1, 6-13. (2012).
- H. M. El-Hawary and K. A. El-Shami, Quintic C₁-spline collocation methods for stiff delay differential equations, Int. J. Open Problems Compt. Math, Vol. 5, PP(58-72), (2012).
- H. M. El-Hawary and K. A. El-Shami, Sextic C₁-spline collocation methods for solving delay differential

- equations, Int. J. Comput. Math., Vol 89, PP (679-690), (2012).
- H. M. El-Hawary and K. A. El-Shami, Spline/spectral methods for neutral Volterra integro-differential equations with delay, J. Appl. Sci. Res., Vol 8,PP (5273-5279), (2012).
- H. Nassar Abdel-all, A. Hussien and taha youssef, Evolution Of Curves Via The Velocities Of The Moving Frame, J. Math. Comput. Sci., Vol. 2(5):PP. 1170-1185, (2012).
- H. Nassar Abdel-All, R. A. Hussien and Taha Youssef, Hasimoto Surfaces, Life Science Journal vol 9(3) PP. 556-560 (2012).
- H. Nassar Abdel-All, Sayed Abdel-Naeim Badr, M. A. Soliman, S. A. Hassan, Intersection Curves of Two Implicit Surfaces in R3, J. Math. Comput. Sci.vol 2(2) ,PP 152-171. (2012).
- H. Nassar Abdel-All, Sayed Abde-Naeim Badr, M. A. Soliman, S. A. Hassan, Intersection Curves of hypersurfaces in R4, Computer Aided Geometric Design,vol 29 (2012), PP 99-108. (2012).
- I. A. Hassanien, H. M. El-Hawary, R.G. Abdel-Rahman and A. S. Elfeshawey, Corrigendum of Similarity analysis in magneto hydrodynamics: Hall effects on free convection flow and mass transfer past a semi-infinite vertical flat plate, International Journal of Non-Linear Mechanics., Vol. 47 (6) , pp. 719-725, (2012).
- K. E. Ahmad, Z.F. Jaheen, and H.S. Mohamed, Bayesian prediction based on type-1 censored data from a mixture of the Burr type XII distribution and its reciprocal, Statistics, Vol. 46:PP. 787-797, (2012).
- M. A. A. Hamad, M. Ferdows, Similarity solution of boundary layer stagnation-point flow towards a heated porous stretching sheet saturated with a nanofluid with heat absorption/generation and suction/blowing: A lie group

- analysis, Communications in Nonlinear Science and Numerical Simulation, Vol. 17, 132–140, (2012).
- M. A. A. Hamad, M. Ferdows, Similarity solutions to viscous flow and heat transfer of nanofluid over nonlinearly stretching sheet, Applied Mathematics and Mechanics (English Edition), Vol. 33(7), Vol. 923–930 , (2012.)
- M. A. A. Hamad, Md. J. Uddin, A. I. Md. Ismail, Investigation of combined heat and mass transfer by Lie group analysis with variable diffusivity taking into account hydrodynamic slip and thermal convective boundary conditions, International Journal of Heat and Mass Transfer, Vol. 55, PP 1355–1362, (2012).
- M. A. A. Hamad, Md. J. Uddin, A. I. Md. Ismail, Radiation effects on heat and mass transfer in MHD stagnation-point flow over a permeable flat plate with thermal convective surface boundary condition, temperature dependent viscosity and thermal conductivity, Nuclear Engineering and Design, Vol. 242, PP 194– 200, (2012).
- M. A. Mansour and E. Sameh Ahmed, Mixed Convection Flows In A Square Lid-Driven Cavity With Heat Source At The Bottom Utilising Nanofluid, The Canadian Journal Of Chemical Engineering, Vol. 90(1): PP. 100-110, (2012).
- M. A. Mansour, M. A. Bakier, A. M. Aly, Study of the natural convection cooling of a localized heat source at the bottom of a square cavity using SPH method, Int. Journal of Energy & Technology, 4(24),PP 1–8. (2012).
- M .A. Mansour, M. A. Y. Bakier, Abdelraheem M. Aly, Study The Natural Convection Cooling Of A Localized Heat Source At The Bottom Of A Square Cavity Using Sph Method, Energy & Technology, Vol. 4(24), pp. 1–8, (2012).
- M. A. Soliman, N. H. Abdel-All, S. A. Hassan, and E. Dahi, Gauss Map Singularities of Inversion Hypersurface in Rn 1, Fifth Saudi Science Conference, (2012).

- M. Fekry Hady, S. Fouad Ibrahim, M. Sahar Abdel-Gaied and R. Mohamed Eid, Radiation effect on viscous flow of a nanofluid and heat transfer over a nonlinearly stretching sheet, *Nanoscale Research Letters*, Vol. 7(1), PP. 224-229, (2012).
- M. Ferdows, M. A. A. Hamad, S. M. Chapal, Similarity Solution Of The Incompressible Boundary Layer Slips Conditions For Vertical Surface With Internal Heat Generation And Variable Suction, *International Journal of Mathematical Archive (IJMA)*, Vol. 3(6), PP2407-2411, (2012).
- M. Ferdows, S. M. Chapal, M. A. A. Hamad, Raushan Ara Quadir, Dufour and Soret effect on Double-Diffusive Electrically conducting boundary layer flows in a vertical plate considering internal heat and mass generation, *IOSR Journal of Mathematics (IOSR-JM)*, Vol. 4, Issue 1, 53-64, 12, (2012).
- Md. Jashim Uddin, M. A. A. Hamad, A. I. Md. Ismail, Investigation of Heat Mass Transfer for Combined Convective Slips Flow: A Lie Group Analysis, *Sains Malaysiana*, Vol. 41(9), PP 1139–1148, (2012).
- N. A. Hussein, D. A. Eisa, M. G. Eldin, The thermodynamic functions of plasma under the influence of a weak magnetic field, *Physica A: Statistical Mechanics and its Applications*, Vol. 391(21), PP 6690–6700, (2012).
- N. A. Hussein, The quantum thermodynamic functions for two component plasma, *The Fifth Saudi Science Conference (16-18 April 2012)* 172, (2012).
- O. R. Sayed, A unified theory (I) for neighborhood systems and basic concepts on fuzzifying topological spaces, *Applied Mathematics*, Vol. 3(9):PP. 983-996. (2012)
- O. R. Sayed, Quasi Triangular Norms Between Boolean Conjunction and any Other Quasi Triangular Norm, *Annals of Fuzzy sets, Fuzzy Logic and Fuzzy Systems*, Vol. 1(4) PP. 253-265 (2012).

- O. R. Sayed, Supra β -connectedness on topological spaces, Proceedings of The Pakistan Academy of Sciences, Vol. 49 (1), PP. 19-23, (2012).
- O. R. Sayed, α -irresoluteness and α - compactness based on continuous valued logic, Journal of The Egyptian Mathematical Society, Vol. 20, PP. 116-125, (2012).
- O. R. Sayed, β -Separation axioms based on Lukasiewicz logic, Engineering Science Letters, Vol.1(1), PP.1-24, (2012).
- R. A. Rashwan and D. M. Albaqeri, A common random fixed point theorem for Six weakly compatible mappings in Hilbert spaces, Int. J. Open Problems Compt. Math., vol5(4):PP.34-46, (2012).
- R. A. Rashwan and I. Shimaa Moustafa, A Common Fixed Point Theorem In Non- Archimedean Menger Pm-Spaces, Bulletin Of International Mathematical Virtual , Vol. 2(2012), PP. 141-152, (2012).
- R. A. Rashwan and S. M. Altwqi, Convergence theorems for three finite families of multivalued Nonexpansive mappings, International Conference on Mathematics, Trends and Development ICMTD12 Organized by The Egyptian Mathematical Society, Cairo, Egypt, 27 –29 , Dec. (2012).
- R. A. Rashwan and S. M. Altwqi, Convergence theorems for three finite families of multivalued Nonexpansive mappings, International Conference on Mathematics, Trends and Development ICMTD12 , Egypt, 27 – 29, (2012).
- R. A. Rashwan and S. M. Altwqi, Convergence Theorems of Three Iteration Processes with Errors For Multivalued Mappings In Uniformly Convex Banach Spaces, Pioneer Journal of Mathematics and Mathematical Sciences, Vol. 70(4) PP. 503-520 (2012).
- R. A. Rashwan and S. M. Altwqi, One-step iterative scheme for approximating common fixed points of three multivalued

- nonexpansive mappings, Bulletin of International Mathematical Virtual Institute, 1840-436, (2012).
- R. A. Rashwan, A. Amit Singh, Common Fixed Point Theorem Of Compatible Mappings Of Type (A) In Menger Spaces, Advances in fixed point Theory, Vol. 2(3), PP. 273 -285, (2012).
- R. A. Rashwan, Approximation of Common Fixed Points of Generalized Non -Lipschitzian Mappings, International Journal of open problems in computer science and Mathematicsm, Vol. 5 (1),PP. 1-15 (2012).
- R. A. Rashwan, D. M. Albaqeri, A common random fixed point theorem for six weakly compatible mappings in Hilbert spaces, Int. J. Open Problems Compt. Math.Vol. 5(4), PP. 34-46, (2012).
- R. A. Rashwan, I. Shima Maustafa, Common Fixed Point Theorems in 2-Menger Spaces, Advances in Fixed Point Theory .,2.No.1,79-91. (2012).
- R. A. Rashwan, I. Shima Maustafa, Some Common Fixed Point Theorems in Menger Spaces Using Occasionally Weakly Compatible Mappings, 8th International Scientific Conference , (2012).
- R. A. Rashwan, S. M. Saleh, Some Fixed Point Theorems in Cone Rectangular Metric Spaces, Mathematica Aeterna, Vol. 2(6),PP. 573 – 587. (2012).
- R. George and R. A. Rashwan, On Dislocated Fuzzy Topologies and Fixed Points, Journal of Mathematics Research ,Vol. 4, No. 1; PP.58-66 February (2012).
- T. Kareem Elgindy, A. Kate Smith-Miles, Boris Miller, Solving optimal control problems using a Gegenbauer transcription method, Control Conference (AUCC), 2012 2nd Australian, PP. 417–424, (2012).
- A. M. Saddeek and S. A. Ahmed, Multivalued variational inequalities with pseudomonotone mappings in reflexive Banach spaces, Abstract and Applied Analysis, (2013).

- A. A. Ahmad, and S. A. Mohammed, Bayesian One Sample Prediction Of Future GOS's From A Class Of Finite Mixture Distributions Based On Generalized Type-I Hybrid Censoring Scheme, In the First International Conference on New Horizons In First Basic and Applied Science, Hurghada, Egypt, (2013).
- A. A. Ahmad, and S. A. Mohammed, Two-Sample Prediction Of GOS's From Finite Mixture Distributions Based On Generalized Type-II HCS, Journal of American Science, Vol. 9 (12), PP. 889-899, (2013).
- A. A. Mutlag, Md. Jashim Uddin, M. A. A. Hamad, Ahmad Izani Ismail, Heat Transfer Analysis for Falkner-Skan Boundary Layer Flow Past a Stationary Wedge with Slips Boundary Conditions Considering Temperature-dependent Thermal Conductivity, Sains Malaysiana, Vol. 42(6), PP .855–862, (2013).
- A. A. Salama D. G. Al-Amery, High order method for singularly perturbed differential-difference equations with small shifts, International Journal of Pure and Applied Mathematics, Vol. 88, PP. 273-295, (2013).
- A. Ayman, E. Mabrouk and Z. Elnomery, Adaptation of Region Growing Thresholds using Memetic Programming Algorithm, the 12th IEEE/ACIS International Conference on Computer and Information Science (ICIS 2013), Toki Messe, Niigata, Japan, (2013).
- A. M. Ahmed Farghaly, Chaos synchronization of complex Rossler system, Appl. Math. Inf. Sci. Vol. 7(4), PP. 1415-1420 (2013).
- A. M. Elaiw, S. A. Azoz, Global properties of a class of HIV infection models with Beddington–DeAngelis functional response, Mathematical Methods in the Applied Sciences, Vol. 36(4), PP. 383-394, (2013).
- A. M. Saddeek and S. A. Ahmed, Multivalued Variational Inequalities with D. J. Pseudomonotone Mapping in

Reflexive Banach Spaces, Abstract and Applied Analysis, Volume 2013, Article ID 487545 • 6 Pages, (2013).

- A. Maher, Boundary Value Problems For Helmholtz 7 Equation And Their Applications, International Journal of Geometric Methods in Modern Physics, Vol. 10, (3) 16 pages, (2013).
- A. Maher, H. M. El-Hawaray and M. S. Al-Amary, New exact solutions for new model nonlinear partial differential equation, J. of Applied Math., Vol. 2013, Article ID 767380, 17 pages, (2013).
- A. Maher, H. M. El-Hawary and M. S. Al-Amary, New exact solutions for new model nonlinear partial differential equation, (J. Of Applied Mathematics), Vol. 2013, Article ID 767380, 17 pages, (2013).
- A. Rafiq, R. A. Rashwan, New approximation scheme for the fixed points of finite family of asymptotically pseudocontractive mappings, General Mathematics, Vol. 21, (2013), , PP. 113-123, (2013).
- A. S .F. Obada, H. A. Hessian, A. B. A. Mohamed , M. Hashem, Influence of the phase damping for two-qubits system in the dispersive reservoir, Quantum Inf Process, Vol. 12, PP. 1947–1956, (2013).
- A. Shaaban Bakr and Trond Mannseth, An Approximate Hybrid Method for Electromagnetic Scattering From an Underground Target, Ieee Transactions On Geoscience And Remote Sensing, Vol. 51 NO. 1, PP. 99-107, (2013).
- A. Shaaban Bakr, David Pardo, Trond Mannseth, Domain decomposition Fourier finite element method for the simulation of 3D marine CSEM measurements, Journal of Computational Physics, Vol.255, PP. 456–470, (2013).
- A. Shaaban Bakr, David Pardo, Trond Mannseth, Domain decomposition Fourier finite element method for the simulation of 3D marine CSEM measurements, Journal of Computational Physics Vol. 255 PP. 456–470 (2013).

- A. Shehata, Inequalities for Humbert functions, Journal of the Egyptian Mathematical Society, Vol. 22(1):PP. 14-18(2014).
- A. Shehata, On Rice's matrix polynomials, Afrika Matematika., Vol. 25:PP. 757-777(2014).
- A. Waqar Khan, A. A. Mohammed Hamad, Mohammed Ferdows, Heat transfer analysis for Falkner-Skan boundary layer nanofluid flow past a wedge with convective boundary condition considering temperaturedependent viscosity, J. Nanoengineering and Nanosystems, Vol. 227(1), PP.19–27, (2013).
- E. Sameh Ahmed, M. A. Mansour, A. Mahdy, MHD mixed convection in an inclined lid -driven cavity with opposing thermal bouyancy force : Effect of non-uniform heating on both side walls, Nuclear Engineering and Desigh, Vol. 265, PP. 938–948 2013).
- E. Sameh Ahmeda, M. A. Mansourb, A. Mahdy, MHD mixed convection in an inclined lid-driven cavity with opposingthermal buoyancy force: Effect of non-uniform heating on both sidewalls, Nuclear Engineering and Design, Vol. 265, pp. 938– 948, (2013).
- F. Khaled Hussain, A. Hanaa Sayed, Enhancement of Sky and Cloud Type Classification, the 1st IEEE/IIAE International Conference on Intelligent Systems and Image Processing 2013, 9, (2013).
- F. Khaled Hussain, Fatma Abd-Alhaleem, Enhancement of Interactive Face Image Deformation Based on Bounded Biharmonic Weights, 1st international conference on New Horizons in Basic and Applied Science (ICNHBAS 2013), 10, 9, (2013).
- F.M. Hady, R. A. Mohamed, and M. Hillal Elshehabey, Flow and Mass Transfer of Second Grade Fluid in a Porous Medium Over a Nonlinear Stretching Sheet with Chemically Reactive Species and Suction, Journal of

- Computational and Theoretical Nanoscience, Vol. 10, PP.2796–2803, (2013).
- F.M. Hady, R. A. Mohamed, Hilla M. ElShehabey, Thermal Radiation, Heat Source/Sink and Work Done by Deformation Impacts on MHD Viscoelastic Fluid over a Nonlinear Stretching Sheet, World Journal of Mechanics,, Vol. 3, PP. 203 - 214, , (2013).
- G. M. Mahmoud and E. E. Mahmoud, Complex modified projective synchronization of two chaotic complex nonlinear systems, Nonlinear Dynamics, Vol.73 (4), pp. 2231-2240, (Sept.) (2013).
- G. M. Mahmoud and E.E. Mahmoud, Synchronization of two different n -dimensional chaotic complex nonlinear systems with fully unknown parameters, Journal of Advanced Research in Dynamical and Control Systems, Vol. 5 PP. 47-58. (2013).
- G. M. Moatimid, M. H. Obied Allah, and A. Mohamed Hassan, Kelvin-Helmholtz instability for flow in porous media under the influence of oblique magnetic fields: A viscous potential flow analysis, Physics Of Plasmas, Vol.20(10), (2013)
- G.M. Mahmoud, E.E. Mahmoud and A. A. Arafa, On projective synchronization of hyperchaotic complex nonlinear systems based on passive theory for secure communications, Physica Scripta , Vol. 87(5):PP.1-10, (2013).
- G.M. Mahmoud, E.E. Mahmoud and A. A. Arafa, Passive control of n-dimensional chaotic complex nonlinear systems, Journal of Vibration and Control ,Vol.17(7), PP 1061–1071, (2013).
- G.M. Mahmoud, E.E. Mahmoud and A.A. Arafa, Controlling hyperchaotic complex nonlinear systems with unknown parameters based on adaptive passive method, Chin. Phys. B Vol. 22, No. 6:PP.1-9 (2013).

- H. M. El-Hawary and K. A. El-Shami, Quintic C₁-spline collocation methods for neutral delay differential equations, *J. Math. Comput. Sci.*, Vol. 3, PP (456-465)., (2013).
- H. M. El-Hawary and K.A. El-Shami, Numerical solution of Volterra delayintegro-differential equations via spline/spectral methods, *Int. J. Diff. Equ. Applic.*, Vol. 13,PP (149-157), (2013).
- H. M. El-Hawary, A. A. Mostafa Mahmoud, G. Reda Abdel-Rahman and S. Abeer Elfeshawey, Similarity Analysis for Effects of Variable Diffusivity and Heat Generation Absorption on Heat and Mass Transfer for an MHD Stagnation-Point Flow of a Convective Viscoelastic Fluid over a Stretching Sheet with a Slip Velocity, *Mathematical Problems in Engineering* , Vol. 2013, Article ID 239847, 11 pages, (2013)
- H. Nassar Abdel-all, M. A. Soliman, R. A. Hussien & wadah m. El-nini, Geometric Image Edge Detection Techniques, *International Journal of Mathematics and Computer Applications Research (IJMCA)*, Vol3 No.3, 3, (2013).
- H. Nassar Abdel-all, M. A. Soliman, R. A. Hussien & wadah m. El-nini, The Circle-Point Mapping Between Image Space And Parameter Space, *International Journal of Mathematics and Computer Applications Research (IJMCAR)*, Vol.3 no.4, 5, (2013).
- H. Nassar Abdel-all, M. A. Soliman, R. A. Hussien, and wadah m. El-nini, Extract Ridges And Ravines Using Hessian Matrix Of 3d Image, *J. Math. Comput. Sci.* , Vol.3(3), PP. 1252-1270, (2013).
- I. A. Hassanien, H. M. EL-Hawary, M. A. A. Mahmoud, R. G. Abdel-Rahman and A. S .Elfeshawey, Thermal radiation effect on flow and heat transfer of unsteady MHD micropolar fluid over vertical heated nonisothermal

- stretching surface using group analysis, *Appl. Math. Mech. Engl. Ed.*, Vol. 34(6), PP. 703–720, (2013).
- K. T. Elgindy, Kate A. Smith-Miles, Solving boundary value problems, integral, and integro-differential equations using Gegenbauer integration matrices, *Journal of Computational and Applied Mathematics*, Vol. 237-1, 307–325, (2013).
- L. Mohan Upadhyaya and A. Shehata, A new extension of generalized Hermite matrix polynomials, *Bulletin of the Malaysian Mathematical Sciences Society*, Vol. 38(1):PP. 165-179, (2013).
- M. A. A. Mansour, E. Sameh Ahmed and M. A. Y. Bakier, Frr convection in H-shaped enclosures filled with a porous medium saturated with nanofluids with mounted heaters on the vertical walls , *Special Topics & Reviews in Porous Media, An International Journal*, Vol. 4(4), PP. 287-297, (2013).
- M. A. Mansour, A. Y. Bakier and M. A. Y. Bakier, MHD natural convection in the localized heat sources of an inclined trapezoidal nanofluid-filled enclosure, *American Journal Engineering Research (AJER)*, Vol. 2(9), PP. 140-161, (2013).
- M. A. Mansour, A. Y. Bakier and M. A. Y. Bakier, Natural convection of the localized heat sources of T-shaped nanofluid-filled enclosures, *American Jouranl of Engineering Reseaarch (AJER)*, Vol. 2(7), PP. 49-61, , (2013).
- M. A. Mansour, E. Sameh Ahmed and M. A. Y. Bakier, free convection in h-shaped enclosures filled with a porous medium saturated with nanofluids with mounted heaters on the vertical walls, *Special Topics & Reviews in Porous Media, An International Journal*, Vol. 4 (4): PP287–297 (2013).

- M .A. Mansour, E. Sameh Ahmed, Laminar Mixed Convection Cooling of a Heat Source Embedded on the Left Side of Double Lid-Driven Enclosures Filled with Al₂O₃ –Water Nanofluid, JOURNAL OF Thermophysics And Heat Transfer, (2013).
- M. A. Mansour, E. Sameh Ahmed, Laminar mixed convection cooling of a heat source embedded on the left side of double lid -driven enclosures filled with Al₂O₃-water nanofluid, Journal Of Thermophysics And Heat Transfer, Vol. 27, No. 4, October–December (2013).
- M. A. Mansour, E. Sameh Ahmed, M. A. Y. Bakier, Free Convection in H-Shaped Enclosures Filled with a Porous Medium Saturated with Nanofluids with Mounted Heaters on the Vertical Walls, Special Topics & Reviews in Porous Media, An International Journal, 4 (3):PP.287-297 ,(2013).
- M. A. Mansour, M. A. Bakier, and Rama Subba Reddy Gorla, Natural Convection in Vertical I-Shaped Nanofluid-Filled Enclosures, Journal of Nanofluids, Vol. 2, pp. 221–230, (2013).
- M. A. Mansour, M. A. Y. Bakier and R. S. R. Gorla, Natural convection in vertical I- shaped nanofluid- filled enclosures, Journal of nanofluids, Vol. 2, PP.1-11, 2, (2013).
- M. A. Mansour, M. A. Y. Bakier, Free convection heat transfer in complex-wavy-wall enclosed cavity filled with nanofluid, International Communications in Heat and Mass Transfer, Vol. 44, pp. 108–115, (2013).
- M. Ferdows, M. A. A. Hamad, Shuyu Sun, Effects of slip and heat transfer in stagnation point flow over a steady stretching surface in a porous medium considering heat generation or absorption, Archives des Sciences, (2013).
- M. H. Obied Allah, Viscous potential flow analysis of electrified miscible finitely conducting fluid through porous media, Physics of Plasmas, Vol 20, Issue 4 PP. 042104, (2013).

- M. H. Obied Allah, Viscous potential flow analysis of magnetohydrodynamic interfacial stability through porous media, Indian Journal of Pure and Applied Mathematics, Vol. 44(4), PP. 419-441, (2013).
- M. M. Abdelsamea, S. A. Tsaftaris, Active contour model driven by globally signed region pressure force Proceedings of the 18th IEEE International Conference on Digital Signal Processing, DSP 2013, Santorini , Greece , (2013).
- M. S. Metwally and A. Shehata, A study of a new properties of Hermite-Hermite matrix polynomials and their Applications, International Journal of Mathematical Sciences and Engineering Applications (IJMSEA) , Vol.7(I), PP. 19-33, (2013).
- N. A. Hussein, D. A. Eisa, and E. G. Sayed, Evaluation of Internal Energy for Hot Dilute Relativistic Plasma The first international conference; New horizons in basic and applied science (ICNHBAS), Hurghada, Egypt., (2013).
- O. R. Sayed and A. K. Mousa, Almost separation axioms in fuzzifying topology, Journal of Advanced Studies in Topology , Vol. 4(4), PP.46-58, (2013).
- O. R. Sayed and T. Noiri, Supra b-irresolutness and supra b-connectedness on topological spaces, Kyungpook Mathematical Journal, Vol.53(2013), PP 341-348. (2013).
- R. A. Rashwan and I. Shima Moustafa, Some Common Fixed Point Theorems in Menger Spaces Using Occasionally Weakly Compatible Mappings , kathmandu university journal of science, engineering and technology, Vol. 9(I), pp 165-174 . (2013).
- R. A. Rashwan and D. M. Albaqeri, On The Convergence Of Three- Step Random Iterative Procesess With Errors Of Nonself Asymptotically Nonexpansive Random Mappings , Bulletin of the Iranian, Mathematical Society Vol. 39(3), pp 431-453. (2013).

- R. A. Rashwan and D. M. Albaqeri, On The Convergence Of Three- Step Random Iterative Procesess With Errors of Nonself Asymptotically Nonexpansive Random Mappings, Bulletin of the Iranian Mathematical Society , Vol. 39(3) , pp 431-453, (2013)
- R. A. Rashwan and I. Shimaa Moustafa, Some Common Fixed Point Theorems in Menger Spaces Using ccasionally Weakly Compatible Mappings, Kathmandu University Journal Of Science, Engineering And Technology, VOL. 9(I), PP. 165-174 (2013).
- R. A. Rashwan and S. M. Altwqi, Convergence Theorems For Two Infinite Families Of Multivalued Nonexpansive Mappings, International J. of Theoretical Applied Physics (IJTAP) Vol. 3(I), pp.107-120, (2013).
- R. A. Rashwan and S. M. Saleh, A Common Fixed Point Theorem Of Three (Ψ, Φ) -Weakly Contractive Mapping In G-Metric Spaces, Facta Universitatis (NIS), Ser., Math. Inform,Vol. 28(3), PP. 323–334. (2013)
- R. A. Rashwan and S. M. Saleh, Common Fixed Point Theorems for Mappings Satisfying Implicit Relation in G-Metric Spaces, Proceedings of the Pakistan Academy of Sciences Vol. 50(3), PP. 227–234, (2013).
- R. A. Rashwan and S. M. Saleh, Common Fixed Point Theorems for Six Mappings in ordered G-Metric Spaces, Advances in Fixed Point Theory Vol. 3(1), PP. 105-125, (2013).
- R. A. Rashwan and S. M. Saleh, Property Q and a Common Fixed Point Theorem of (ϕ, ψ) -Weakly Contractive Maps in G-Metric paces, J. Ana. Num. Theor. Vol. 1, No. 1, PP.1-5 (2013).
- R. A. Rashwan and S. M. Saleh, Property Q and a Common Fixed Point Theorem of (ϕ, ψ) -Weakly Contractive Maps in G-Metric paces, J. Ana. Num. Theor. Vol. 1(1), PP. 1-5, (2013).

- R. A. Rashwan, D. M. Albaqeri, Random coincidence and fixed point theorem for hybrid maps in separable metric spaces, Int. J. Open Problems Compt. Math., , Vol. 6, No. 1,, PP.103-114 (2013).
- R. A. Rashwan, D. M. Albaqeri, Random Fixed Points For Occasionally Weakly Compatible Mappings, Mathematical Theory and Modeling , Vol 3, No.2,:PP.1-12 , (2013).
- R. A. Rashwan, M. S. Metwally, M. T. Mohamed and A. Shehata, Certain Kummer's Matrix Function of two Complex Variables under Certain Differential and Integral Operators, Thai Journal of Mathematics Vol. 11 (3): PP 725-740 (2013).
- R. A. Rashwan, M. S. Metwally, M. T. Mohamed and A. Shehata, Certain Kummer's Matrix Function of two Complex Variables under Certain Differential and Integral Operators, Thai Journal of Mathematics Vol. 11(3) :PP. 725-740 (2013).
- R. A. Rashwan, p. K. Jhade_, and D. M. Al-Baqeri, On common random fixed points of a new iteration with errors for nonself asymptotically quasi- nonexpansive type random mappings, International Journal of Analysis, (2013).
- S. M. Abdel-Gaied, M. A. A. Hamad, MHD Forced Convection Laminar Boundary Layer Flow of Alumina-Water Nanofluid over a Moving Permeable Flat Plate with Convective Surface Boundary Condition, Journal of Applied Mathematics, Vol. 2013, PP. 1-8, (2013).
- T. Kareem Elgindy, A. Kate Smith-Miles, Fast, accurate, and small-scale direct trajectory optimization using a Gegenbauer transcription method, Journal of Computational and Applied Mathematics, Vol. 251, PP. 93–116, (2013).

- T. Kareem Elgindy, A. Kate Smith-Miles, On the optimization of Gegenbauer operational matrix of integration, Advances in Computational Mathematics, Vol. 39, PP. 511-524, (2013).
- T. Kareem Elgindy, A. Kate Smith-Miles, Optimal Gegenbauer quadrature over arbitrary integration nodes, Journal of Computational and Applied Mathematics, Vol. 242, PP. 82–106, (2013).
- Z. F. Jaheen Sara M. A. M. Ali, Bayesian prediction of hybrid data from linear exponential distribution, Al-Azhar Bulletin of science, vol 23(2), PP. 103- 115, (2013).
- A. Ahmed Abdelhakim and Feng Gu, On solving Lipschitz pseudocontractive operator equations, Journal of Inequalities and Applications Vol. 43, PP. 1585-1589 (2014).
- A. Ahmed Abdelhakim, Acounter example to Strichartz estimates for the inhomogeneous Schrödinger equation, Journal of Mathematical Analysis and Applications, Vol.414, PP.767–772, (2014).
- A. Ahmed Abdelhakim, Acounter example to Strichartz estimates for the inhomogeneous Schrödinger equation, Vournal of Mathematical Analysis and Applications, Vol.414, PP.767–772, (2014).
- A. El-Sayed Ahmed and Sayed Attia Ahmed, Fixed points by certain iterative schemes with applications, Vol. 121 PP. 1-14 (2014).
- A. M. A. Abou-El-Ela, A. I. Sadek, A. M. Mahmoud and R. O. A. Taie, New Result on the Ulti- mate Boundedness of Solutions for Certain Fifth-Oder Non-autonomous Delay Di erential Equation, Advances in Di erential Equations and Control Processes, Pushpa Publishing House, Vol. 14(2), PP. 71-88, (2014).
- A. M. A. Abou-El-Ela, A. I. Sadek, A. M. Mahmoud, and R. O. A. Taie, On the Stability of Solutions of Nonlinear Functional Di erential Equation of the Fifth-Order,

Advances in Pure Mathematics, Scienti cResearch Publishing Presented in the 4th International Conference for Young Scientists in Basic and Applied Science, Assiut Universtiy, Egypt, 29-30 April, (2014).

- A. M. Rashad , Sameh El-Sayed Ahmed and Mohamed Ahmed Mansour, Effects of Chemical Radiation and Thermal Radiation on Unsteady Double Diffusive Convection, Int. J. of .Num. Methods for Heat &Fluid Flow, Vol. 24 (5), PP. 1124-1140, (2014).
- A. M. Saddeek, A strong Convergence Theorem for a Modified Krasnoselskii Iteration method and its application to seepage theory in Hilbert Spaces, Egyptian Mathematical Society , Vol.22(3):PP. 476-480,(2014).
- A. Maher, H. M. El-Hawary and M. S. Al-Amary, The mapping method for solving a new model of nonlinear partial differential equation, (Int. J. Of Pure and Applied Mathematics), Vol. 95,(2),PP. 181-208, (2014).
- A. Shehata, On Rainville's Matrix Polynomials, Sylwan, Vol. 158 (9), PP .158-178., (2014).
- B. Samir, Classes of Algebras with the Amalgamation Property, Universal Journal of Mathematics and Mathematical Sciences, Vol6 (2), PP 75 - 119, 10, (2014).
- D .Elzanaty, E. Mabrouk, M. I. Attia and H. M. El-Hawary, Solving the Course Scheduling Problem for the Credit Hours System Using the Genetic Algorithms Approach, 4th International Conference for Young Scientists in Basic and Applied Science (ISCYR2014), Assiut University, Assiut, EGYPT, (2014).
- D. Nashat Abeer Shoker Fowzyah Al-Swat Reem Al-Ebailan, An Android Application To Aid Uneducated Deaf-Dumb People, international Journal of Computer Science and Mobile Applications, Vol.2(9):PP.1-8(2014).
- E. Sameh Ahmed, M. A. Mansour, and M. M. Abd Elaziz, Heat Transfer Augmentation in a Nanofluid-Filled Lid-Driven

- Enclosure with Heat Source Embedded on the Bottom and Variety of Thermal Boundary Conditions, Journal of Nanofluids, Vol. 3, pp. 1–10, (2014).
- F. H. Khedr, Properties of ij-delta-open sets, Fasciculi Mathematici, Vol. 52, PP. 65-81, (2014).
- F. Ibrahim, A. A. Salama, A. Ouazza and S. Turek, Extended one-step methods for solving delay-differential equations, Appl. Math. Inf. Sci. , Vol. 8, PP. 941-948, , (2014).
- F. Khaled Hussain, A. Hanaa Sayed, Sky Detection Using K-HSV Descriptor, Journal of the Institute of Industrial Applications Engineers, Vol. 2(1), PP. 1-5, (2014).
- F. M. Hady, Mohamed R. Eid and mostafa A. Ahmed, Slip Effects On Unsteady Mhd Stagnation Point Flow Of A Nanofluid Over Stretching Sheet In A Porous Medium With Thermal Radiation, Journal of Pure and Applied Mathematics: Advances and Applications, Vol 12(2),PP.181-206, (2014).
- F. M. Hady, R. Mohamed Eid and A. Mostafa Ahmed, A Nanofluid Flow in a Non-Linear Stretching Surface Saturated in a Porous Medium with Yield Stress Effec, Applied Mathematics & Information Sciences Letters, Vol. 201 No. 2, PP. 43-51 (2014).
- H. Nassar Abdel-All, G. Samah Mohamed, T. Mariam Al-Dossary, Evolution of Generalized Space Curve as a Function of Its Local Geometry, J. Applied Mathematics,Vol. 5, PP. 2381-2392, (2014).
- I. E. El-Semman, F. H. Karlsson, S. Shoaie, I. Nookaew, T. H. Soliman, J. Nielsen, Genome-scale metabolic reconstructions of Bifidobacterium adolescentis L2-32 and Faecalibacterium prausnitzii A2-165 and their interaction, BMC systems biology Vol. 8:41, PP.1-11, (2014).
- J. Panka Kumar Jhade, Rashwan Ahmad Rashwan, & A. S. Saluja, On The Convergence Of Ishikawa Iterative Process For A Pair Of Single-Valued And Multi-Valued

- Nonexpansive Mappings, Gulf Journal of Mathematics, Vol. 4, PP.68-77, (2014).
- K. Elgindy, Gegenbauer Collocation Integration Methods: Advances in Computational Optimal Control Theory, Bulletin of the Australian Mathematical Society , Vol. 89:PP.168-170 (2014).
- M. A. Mansour, M. A. Y. Bakeir, A. Chamka, Natural convection inside a C-shaped nanofluid -filled enclosure nwith localized heat sources, Int. J.of Numerical Methods For Heat &Fluid Flow, Vol. 24(8), PP. 1054-1978, (2014).
- M. A. Mansour, M. A. Y. Bakier and A. J. Chamkha, Numerical Modeling of Natural convection of a nanofluid between two enclosures, Journal of Nanofluids, ASP, Vol. 3, PP. 1-12, (2014).
- M. H. Mohamed, A. Hashem, M. M. Abdelsamea, Scalable Algorithms for Missing Value Imputation, International Journal of computer Applications, Vol. 87(11). PP. 35-42, (2014).
- M. H. Obied Allah, An overview of linear and nonlinear Rayleigh Taylor instability, Gen. Math. Notes, Vol. 20(1), PP. 67-76, (2014).
- M. Hillal Elshehabey, B. F. M. Hady, E. Sameh Ahmed, R. A. Mohamed, Numerical investigation for natural convection of a nanofluid in an inclined L-shaped cavity in the presence of an inclined magnetic field, International Communications in Heat and Mass Transfer, Vol. 57, PP. 228–238, , (2014).
- M. M. Abdelsamea, G. Gnecco, M. M. Gaber, A Concurrent SOM based Chan-Vese Model for Image Segmentation, Proceedings of the 10th Workshop on Self-Organizing Maps, 02-04 July 2014, Mittweida, Germany, Advances in Intelligent Systems and Computing, Springer (2014).
- M. Minervini, M. M. Abdelsamea, S. A. Tsafaris, Image-based plant phenotyping with incremental learning and active

- contours, Ecological Informatics, Vol.23, PP. 35-48, (2014).
- N. A. Hussein, A. N. A. Osman, D. A. Eisa, and R. A. Abbas, The quantum thermodynamic functions of plasma in terms of the Green's function, Natural Science, Vol. 6(2), PP. 71-80, (2014).
- N. A. Hussein, D. A. Eisa, A. N. A. Osman and R. A. Abbas, Quantum Binary and Triplet Distribution Functions of Plasma by using Green's Function, Contributions to Plasma Physics, Vol. 54 (10), PP. 815–826, (2014).
- N. H. Abdel-All, H. N. Abd-Ellah, H. S. Abdel-Aziz, M. A. Abdel-Razek, and A. A. Khalil, Evolution of a helix curve by observing its acceleration, Wulfenia Journal, Vol 21(11),PP 382-395. (2014).
- O. R. Sayed and Hu Zhao, Some covering properties in semantic method of continuous valued logic, Journal of Intelligent & Fuzzy Systems, Vol.27 (2014), PP.1419–1431 (2014).
- O. R. Sayed, locally α -compact spaces based on continuous valued logic, Journal of The Egyptian Mathematical Society, Vol. 22(204), PP 70-82. (2014).
- O. R. Sayed, On preserving Ω s-closeness in topological spaces, Acta Universitatis Apulensis, Vol. 39(2014), PP. 85-97. (2014).
- O. R. Sayed, α - Separation axioms based on Lukasiewicz logic, Hacettepe Journal of Mathematics and Statistics, Vol. 43(2) PP. 269-287, (2014).
- R. A. Abdel-Baky, H. N. Abd-Ellah, Tubular surfaces in Minkowski 3-space, J. Adv. Math. Stud. Vol. 7(2), PP.1-7, (2014).
- R. A. Rashwan and d. M. Albaqeri, On Quadruple Random Fixed Point Theorems In Partially Ordered Metric Spaces, Chinese Journal of Mathematics,Vol. 2014 ,Article ID 416794, 14 pages.

- R. A. Rashwan and D. M. Albaqeri, A common random fixed point theorem and Application to Random Integral Equations, International Journal of Applied Mathematical Research, Vol.3(1), PP. 71-80, (2014).
- R. A. Rashwan and D. M. Albaqeri, Approximating Common Random Fixed Point For Two Finite Families Of Asymptotically Nonexpansive Random Mappings, Egyptian Journal of Mathematical Society Vol. 22, Issue 2, PP. 182–189, (2014).
- R. A. Rashwan and D. M. Albaqeri, Some random fixed point results using implicit relation in Hilbert spaces, Facta Universitatis (NIS), Ser. Math. Inform. Vol. 29(1), PP. 43–54. (2014).
- R. A. Rashwan and S. M. Altwqi, Convergence theorems for three finite families of multivalued nonexpansive mappings, Journal of the Egyptian Mathematical Society Vol.22, PP.459–465. (2014).
- R. A. Rashwan and S. M. Altwqi, Strong convergence of four multivalued nonexpansive mappings, J. Ana. Num. Theor. Vol. 2(2), PP. 97-102 (2014).
- R. A. Rashwan and S. M. Saleh, A Common Fixed Point Theorem Of Three Weakly Contractive Mapping In G-Metric Spaces, Facta Niversitatis (NIS) Ser, Math. Inform, Vol.22, PP.1 –12, (2014).
- R. A. Rashwan and S. M. Saleh, A Common Fixed Point Theorem Of Three (, ')- Weakly Contractive Mapping In G-Metric Spaces, FACTA Mathematica (NIS)Ser. Math. Inform., Vol. 22, PP. 1–12, (2014).
- R. A. Rashwan and S. M. Saleh, A Coupled Fixed Point Theorem for Three Pairs of w- Compatible Mappings in G-metric spaces, Mathematical Sciences Letters, Vol. 3(1), PP:17-20, (2014).
- R. A. Rashwan and S. M. Saleh, A Coupled Fixed Point Theorem for Three Pairs of w- Compatible Mappings in G-metric

- spaces, Mathematical Sciences Letters , Vol.3(1):PP. 17-20(2014).
- R. A. Rashwan and S. M. Saleh, Quadruple fixed point theorems for compatible type mappings without mixed g-monotone property in partially ordered b-metric spaces, Math Sci , Vol. 8, PP. 95–108, (2014).
 - R. A. Rashwan and S. M. Saleh, Quadruple fixed point theorems for compatible type mappings without mixed g-monotone property in partially ordered b-metric spaces, Math Sci Vol. 8, PP. 95–108, (2014).
 - R. A. Rashwan and S. M. Saleh, Solution of nonlinear integral equations via fixed point theorems in G-metric spaces, International Journal of Applied Mathematical Research, Vol. 3(4) PP. 561-571, (2014).
 - R. A. Rashwan and S. M. Saleh, Solution of nonlinear integral equations via fixed point theorems in G-metric spaces, International Journal of Applied Mathematical Research, Vol. 3(4), PP. 561-571, (2014).
 - R. A. Rashwan and S. M. Saleh, Some common fixed point theorems for four Weakly contractive mappings satisfying rational expressions in ordered partial metric spaces, International Journal of Mathematics And Its Applications Vol. 2(3) pp.29-51. (2014).
 - R. A. Rashwan, Common and Coincidences Fixed Point Theorems for Asymptotically Regular Mappings in Hilbert Spaces, American Journal of Mathematical Analysis , Vol. 2(1), PP 8-14, (2014).
 - R. A. Rashwan, H. A. Ahmed, A Common Fixed Point Theorems For A Pair Of Self Maps Satisfying A General Contractive Condition Of Integral Type, International Journal Of Research In Engineering& Applied Sciences, Vol. 3 No. (1), PP. 71-80, (2014).
 - R. A. Rashwan, H. A. Hammad, Common Fixed Point Theorems For Pairs Of Single And Multivalued D-Maps And

Tangentialmultivalued Mappings Satisfying Contractive Conditions Of Integral Inequality, Bulletin Of The International Mathematical Virtual Institute Vol. 4, PP. 109-122, (2014).

- R. A. Rashwan, H. A. Hammad, Common Fixed Point Theorems for Weak ContractionMapping of Integral Type in Modular Spaces, Universal Journal of Computational Mathematics ,Vol. 2(4):PP. 69-86, (2014).
- R. A. Rashwan, S. M. Altwqi, Strong convergence for four multivalued mappings, Journal of Analysis & Number Theory, Vol. 2(2) PP. 97-102 (2014).
- R. A. Rashwan, S.M.Altwqi, On the strong and Δ -convergence of SP-iteration process for three multivalued nonexpansive mappings in CAT(k) Spaces, Palestine Journal of Mathematics, Vol. 4(1), PP 73–83, (2014).
- R. A. Rashwan† and S. M. Saleh, Some common fixed point theorems for four Weakly contractive mappings satisfying rational expressions in ordered partial metric spaces, International Journal of Mathematics And Its Applications, Vol. 2, PP. 29-51, (2014).
- R. S. Batahan and A. Shehata, Hermite-Chebyshev polynomials with their generalized form, Journal of Mathematical Sciences: Advances and Applications, Vol. 29(1), PP 47 - 59, (2014).
- R. S. Batahan and Ayman Shehata, Inequalities for some functions are related to the confluent hypergeometric function, Journal of Andalus for Social and Applied Sciences, Vol. 8(2), PP 56-64, (2014).
- S. Gaber Mohamed, Explicit Examples of Motions of Inextensible Curves in Spherical Space S^3 , Applied Mathematics & Information Sciences Letters, Vol. 2(3), PP 77-83, (2014).
- Sh. Aly, Ali Al-Qahtani, Houari B. Khenous, G. M. Mahmoud, Impulsive control and synchronization of complex lorenz

- systems, Abstract and Applied Analysis, Vol. 2014, Article ID 932327, 9 pages, (2014).
- T. Kareem Elgindy, Gegenbauer Collocation Integration Methods: Advances in Computational Optimal Control Theory, Bulletin of the Australian Mathematical Society, Vol. 89, PP. 168–170, (2014).
 - Y. S. Raslan, A. Hedar and E. Mabrouk, Immune System Programming with Directed Mutations, Bulletin of the Faculty of Science, Assiut University, (2014).
 - Z. F. Jaheen Sara M. A. M. Ali, Bayes Estimation for the Parameters of the Weibull-Geometric Distribution Based on Progressive First Failure Censored Data, International Science Conference for Young Researchers (ISCYR), Assiut University, (2014).
 - Z. F. Jaheen, H. M. Moustafa, and G. H. Abd El-Monem, Bayes Inference in Constant Partially Accelerated Life Tests for the Generalized Exponential Distribution with Progressive Censoring, Communications in Statistics – Theory and Methods, Vol. 43, PP 2973-2988, (2014).
 - A. A. Abdullah, F. S. Ibrahim, A. F. Abdel Gawad and A. Batyy, Investigation of Unsteady Mixed Convection Flow near the Stagnation Point of a Heated Vertical Plate embedded in a Nanofluid-Saturated Porous Medium by Self-Similar Technique, American Journal of Energy Engineering, 3(4-1), PP. 42-51, (2015).
 - A. A. Ahmad, and M. Areej Al-Zaydi, Bayesian Prediction of Future Generalized Order Statistics from a Class of Finite Mixture Distributions, Open Journal of Statistics, Vol.5, PP. 585-599. (2015).
 - A. A. Ahmad, M. El-Adll and T. AL Ohafi, Estimation under Burr type X distribution based on doubly type II censored sample of dual generalized order statistics, J. of the Egyptian Math. Soc.,23(2), 391-396. (2015).

- A. A. Allam, A. M. Zahran, A. K. Mousa, and H. M. Binshahna, On semi separation axioms in Fuzzifying Bitopological Spaces, Journal of Advanced Studies in Topology Vol.6(4),PP.152-163. (2015).
- A. B. A. Mohamed, H. A. Hessian, M. Hashemc, Effect of the phase damping of two qubits on both the quantum discord and non-local correlation, Optik, Vol. 126, PP. 3432–3436, (2015).
- A. M. A. Abou-El-Ela, A. I. Sadek, A. M. Mahmoud, and R. O. A. Taie, A Stability Result for The Solutions of a Certain System of Fourth-Order Delay Differential Equation, International Journal of Differential Equations, Hindawi Publishing Corporation, Vol. 2015, Article ID 618359,11 pages, (2015)
- A. M. A. Abou-El-Ela, A. I. Sadek, A. M. Mahmoud, and R. O. A. Taie, A New Instability Result for a Certain System of Fourth-Order Non-Linear Delay Differential Equation, IOSR Journal of Mathematics, Vol. 11(2), PP. 112-118, (2015).
- A. M. A. Abou-El-Ela, A. I. Sadek, A. M. Mahmoud, and R. O. A. Taie, A New Result on the Existence of Periodic Solutions for Fourth-Order Functional Differential Equations with Multiple Deviating Arguments, Non-linear Analysis and Differential Equations, Vol. 3(2), PP. 69-88, (2015).
- A. M. A. Abou-El-Ela, A. I. Sadek, A. M. Mahmoud, and R. O. A. Taie, On the Stochastic Stability and Boundedness of Solutions for Stochastic Delay Differential Equation of the Second Order, Chinese Journal of Mathematics, Hindawi Publishing Corporation, Vol. 2015, Article ID 358936,8 pages, (2015).
- A. M. Ahmed Farghaly, Generating a Complex Form of Chaotic Pan System and its Behavior, Applied Mathematics & Information Sciences , Vol. 9(5), pp. 2553-2557, (2015).

- A. M. Saddeek, A conceptualization of monotone multi-valued mappings via antiresolvent mappings in reflexive Banach spaces, Journal of Computational and Nanoscience, Vol. 12(9), PP. 2306-2310, (2015)
- A. M. Saddeek, A generalized mean proximal algorithm for solving generalized mixed equilibrium Problems, Bulletin of Mathematical Analysis and Applications, Vol. 7(1):PP. 1-11, (2015).
- A. Ramadhan Mohammed, H. Tahir Ismail and A. A. Allam, On Soft Generalized ab_Closed Sets in Soft Topological Spaces, Gen. Math. Notes, Vol. 30(2), pp.54-73, (2015).
- A. Rawya Huesien, Ali. Abdela Ali, Geometric visualization of a Robot End-effector motion using The Curvature Theory, Mitteilungen Klosterneuburg, Vol. 65 (3), PP.191-210, (2015).
- A. Rawya Hussein , and Ali Abdelah Ali, Geometric properties and invariants of Mannheim o®sets of timelikt ruled surface with timelike ruling, Mitteilungen Klosterneuburg, Vol. 65 (4), PP. 285-296, (2015).
- A. S. F. Obada, H. A. Hessian, A. B. A. Mohamed, M. Hashem, Effects of a phase-damping cavity on entanglement and purity loss in two-qubit system, Quantum Inf Process, Vol.14(6), PP.2043-2053, (2015).
- A. S. F. Obadaa, H. A. Hessianb, A. B. A. Mohamedbc and M. Hashemb, Stationary discord and non-local correlations via qubit damping, Journal of Modern Optics, Vol. 62,(11) ,PP. 918–926, (2015).
- A. Shehata and Lalit Mohan Upadhyaya, Some relations satisfied by Hermitec polynomials, Mathematica Bohemica, Vol. 65(2), PP. 100-121, (2015).
- A. Shehata, A new extension of Bessel matrix functions, Southeast Asian Bulletin of Mathematics Vol. 40, PP. 265–288 (2015).

- A. Shehata, Connections between Legendre with Hermite and Laguerre matrix polynomials, Gazi University Journal of Science , Vol.28(2), PP. 221-230., (2015).
- A. Shehata, New Kinds of Hypergeometric matrix functions, British Journal of Mathematics and Computer Science, Vol. 5(1), PP. 92-103, (2015).
- A. Shehata, On a new family of the extended generalized Bessel-type matrix polynomials, Mitteilungen Klosterneuburg Journal , Vol. 65(2), PP. 100-121., (2015).
- A. Shehata, Some inequalities for special functions, Journal of Inequalities and Applications, Vol. 164, PP. 164-178, (2015).
- A. Shehata, Some relations on Gegenbauer matrix polynomials, Review of Computer Engineering Research, Vol. 2(1), PP. 1-21, (2015).
- A. Shehata, Some relations on Humbert matrix polynomials, Mathematica Bohemica Vol. 1(5) PP. 232-240 (2015).
- A. Shehata, Some relations on Konhauser matrix polynomials, Miskolc Mathematical Notes, Vol. 17 (2016), No. 1, PP. 605–633, (2015).
- B. Samir, Varieties of Algebras without the Amalgamation Property, Communications in Algebra, Vol. 43(6), PP. 2425-2436, (2015).
- E. Sameh Ahmed, M. Abdelraheem Aly, and A. Mohamed Mansour, MHD Mixed Bioconvection Stagnation Point Flow of Nanofluids Towards a Stretching Surface, Journal of Nanofluids Vol. 4, pp. 1–8, (2015).
- E. Sameh Ahmed, M. Hillal Elshehabey, and R. A. Mohamed, Natural Convection of a Nanofluid in Inclined, Partially Open Cavities: Thermal Effects, J. of thermophysics and heat transfer, Vol. 29(1), pp. 150-165, (2015).
- F. Ibrahim, A. A. Salama and S. Turek, A class of extended one-step methods for solving delay differential equations, Appl. Math. Inf. Sci., Vol. 9, PP 593-602, (2015).

- G. H. Abd El-Monem and Z. F. Jaheen, Maximum Likelihood Estimation and Bootstrap Confidence Intervals for A Simple Step-Stress Accelerated Generalized Exponential Model with Type-II Censored Data, *Far East Journal of Theoretical Statistics*, Vol. 50(2), PP. 111-124, (2015).
- G. M. Mahmoud, E. E. Mahmoud and A. A. Arafa, On modified time delay hyperchaotic complex Lü system, *Nonlinear Dyn* Vol. 80, PP. 855-869, (2015).
- H. N. Abd-Ellah and S. A. Hassan, Parallel correspondences of W-surfaces in E^3 , *Ciencia e Tecnica Vitivinicola*, J, Vol. 30(4), PP. 17-29. (2015).
- H. N. Abd-Ellah and S. A. Hassan, Parallel transformations of hypersurfaces in R^4 , *Ciencia Tecnica Vitivinicola*, J, Vol. 30(9), PP. 70-90. (2015).
- H. N. Abd-Ellah, Evolution of translation surfaces in Euclidean 3-space E^3 , *Appl. Math. & Inf. Sci.*, Vol.9(2), PP. 661-668 (2015).
- H. N. Abd-Ellah, Translation L/W-surfaces in Euclidean 3-space E^3 , *J. Egypt. Math. Soc.*, Vol. 23 (2015), PP. 513–517. (2015).
- H. Nassar Abdel-All, A. Rawya Hussein, and Ali Abdelah Ali, Bress Complex Ruled Surface Of A Rigid Body Motion Using Dual Calculus, *Ciencia e tecnica*, Vol. 30(4), PP. 124-140, (2015).
- H. Nassar Abdel-All, F. M. Hamdoon, H. N. Abd-Ellah and M. A. Abd, Rabo, Investigation of cyclic surfaces with constant curvatures, *Ciencia e Tecnica Vitivinicola*, J., Vol. 30(2), PP. 214-224, (2015).
- H. Nassar Abdel-All, H. S. Abdel-Aziz, M. A. Abdel-Razek, S. G. Mohamed, A. A. Khali, Evolution of Surfaces Patched by Principal Patch, *Wulfenia journal*, Vol. 22(1), PP. 395-406, (2015).
- J. Alvarez-Aramberri, S. A. Bakr, D. Pardo, H. Barucq, Quantities of Interest for Surface based Resistivity

Geophysical Measurements, Procedia Computer Science, Vol:51, 964-973, (2015).

- M. A. Mansour and E. Sameh Ahmed, A numerical study on natural convection in porous media -filled an inclined triangular enclosure with heat sources using nanofluid in the presence of heat generation, Engineering Science & Technology, Vol. 18(3), PP. 485-495, (2015).
- M. A. Mansour and M. A. Y. Bakier, Influence of thermal boundary conditions on MHD natural convection in square enclosure using Cu-water nanofluid, Energy Report, Vol. 1, PP. 134-144, (2015).
- M. A. Mansour, A. J. Chamkha and M. A. Y. Bakier, Magneto hydrodynamic natural convection and entropoy generation of a Cu-water nanofluid in a cavity with wall mounted heat source/sink, Journal of Nanofluids, Vol. 4, PP. 254-269, (2015).
- M. A. Mansour, E. Sameh Ahmed, A numerical study on natural convection in porous media-filled an inclined triangular enclosure with heat sources using nanofluid in the presence of heat generation effect, Engineering Science and Technology, an International Journal Vol. 18, PP. 485-495, (2015).
- M. A. Soliman, H. N. Abd-Ellah, S. A. Hassan and S. Q. Saleh, Frenet surfaces with pointwise 1-type Gauss map, Wulfenia Journal Vol. 22(1), PP. 169-181, (2015).
- M. A. Soliman, H. Nassar Abdel-All, R. A. Huesien, Ali Abdela Ali, Inflection Ruled Surface Of A Rigid Body Motion Using Dual Calculus, Asian Academic Research Journal of Social Sciences & Humanities, Vol. 1(33), PP. 299-320, (2015).
- M. A. Soliman, H. Nassar Abdel-All, R. A. Hussien and Wadah M. El-Nini, Extraction of Ridges on 2-Dimensional Images, ciencia e tecnica, Vol.30(4), PP. 311-325, (2015).

- M. Abdelatif, H. Nour aldeen, H. Saoud and S. Suorya, Finite type of the pedal of revolution surfaces in E^3 , has been accepted for publication in J. Korean Math. Soc. Vol. 53, Issue 4, PP.909-928 (2015).
- M. H. Marghny, M. Rasha Abd El-Aziz, Data Classification Based on GEPSVM using Backtracking Search Algorithm, Data Mining and Knowledge Engineering, Vol. 7(2), pp: 89-94, (2015).
- M. M. Abdelsamea, G. Gnecco, A Robust Local-Global SOM-based ACM, Electronics Letters, Vol. 51(2) PP. 142-143, (2015).
- M. M. Abdelsamea, G. Gnecco, M. M. Gaber, An Efficient Self Organizing Active Contour Model for Image Segmentation, Neurocomputing , Vol. 149, PP. 820-835, (2015)
- M .M. Abdelsamea, G. Gnecco, M. M. Gaber, E. Elyan, On the relationship between variational level set-based and SOM-based active contours, Computational Intelligence and Neuroscience , Volume 34, PP. 1-15 (2015).
- M. S. Metwally, M. T. Mohamed and A. Shehata, On Chebyshev matrix polynomials, matrix differential equations and their properties, Afrika Matematika, Vol. 26, PP. 1037-1047, (2015).
- N. A. Hussein, D. A. Eisa, and E. G. Sayed, The Classical Binary and Triplet Distribution Functions for Dilute Relativistic Plasma, Natural Science, Vol. 7(1), PP. 42-54, (2015).
- O. R. Sayed and A. M. Khalil, Some properties of soft θ -topology, Hacettepe Journal of Mathematics and Statistics, Vol.44(5), PP. 1133-1145, (2015).
- O. R. Sayed, Locally γ -compact spaces based on Lukasiewicz logic, The Journal of Fuzzy Mathematics , Vol. 23(1), PP. 70-82 (2015).
- R. A. Rashwan , A. El-Sayed Ahmed ,M. A. Bakhit, Composition Operators On Some General Families of

- Function Spaces, J.Applied Functional Analysis, Vol. 10, PP. 164-175, (2015).
- R. A. Rashwan and d. M. Albaqeri, Common Random Fixed Point Theorems Of Nonself Asymptotically Quas I-Nonexpansive-Type Mappings In Convex Metric Spaces, Analele Universitatii Oradea Fasc. Matematica, Tom XXII, Vol. (2) , PP.57- 68. (2015).
- R. A. Rashwan and H. A. Hammad, Fixed Point Theorems For Contractive Mappings Of Integral Type In N-Banach Spaces, JP Journal of Fixed Point Theory and Applications, Vol 10, (1), PP 1 - 14 (2015).
- R. A. Rashwan and H. A. Hammad, Unique Common Fixed Point Theorems For Weakly Compatible Mappings Under Contractive Conditions In G-Metric Spaces Of Integral Type, Internat. J. Functional Analysis, Operator Theory and Applications, Vol. 7(1), PP. 57 -80, (2015).
- R. A. Rashwan and I. M. Shima, Common fixed points of hybrid pairs of mappings in ordered metric, Int. J. Open Problems Compt. Math., Vol. 8, No. 2, PP.46-61, (2015).
- R. A. Rashwan and I. M. Shima, Common fixed points of hybrid pairs in ordered metric spaces, Int. J. Open Problems Compt. Math., Vol. 8, No. 2, PP.46-61 (2015).
- S. A. Abd-El Baki and O. R. Sayed, On special operations on Ω -closedness on topological spaces, Asian-European journal of Mathematics, Vol. 08, 11 pages, (2015).
- S. Tveit, S. A. Bakr, M. Lien, T. Mannseth, Ensemble-based, Bayesian inversion of CSEM data for subsurface structure identification, Geophysical Journal International, Vol. 201(3), PP.1849-1867, (2015).
- S. Tveit, S. A. Bakr, M. Lien, T. Mannseth, Identification of subsurface structures using electromagnetic data and shape priors, Journal of Computational Physics, Vol. 284, PP. 505-527, (2015).

- T. Kareem Elgindy, High-order numerical solution of second-order one-dimensional hyperbolic telegraph equation using a shifted Gegenbauer pseudospectral method, Numerical Methods for Partial Differential Equations, Vol. 32(1), PP.1-36, (2015).
- Y. S. Raslan, E. Mabrouk and A. Ayman, Generating Mathematical Threshold Using Immune System Programming Algorithm for Medical Image Segmentation, International Conference of Pure and Applied Sciences (ICPAS2015), Luxor, EGYPT, 28-30 March 2015, (2015).
- A. A. Abdelhakim, L^p - L^4 boundedness of integral operators with oscillatory kernels: linear versus quadratic phases, Applicable Analysis, PP. 1-16, 6 (2016)
- A. A. Abdelhakim, On the Lebesgue Summability of Truncated Double Fourier Series, Acta Mathematica Hungarica, Vol. 148 -No. 2, PP. 425-436, (2016)
- A. M. Abd-Elrahman, A new two-parameter lifetime distribution with decreasing, increasing or upside-down bathtub shaped failure rate, Communications in Statistics - Theory and Methods, Accepted author version posted, PP. 1-26, (2016)
- A. M. Rashad, M.A. Mansour, R.S.R. Gorla, Mixed Convection from a Discrete Heater in Lid-driven Enclosures Filled with Non-Newtonian Nanofluids, Journal of Nanoengineering and Nanosystems, (2016)
- A. M. Rashad, M.A. Mansour, R.S.R. Gorla, Mixed Convection from a Discrete Heater in Lid-driven Enclosures Filled with Non-Newtonian Nanofluids, Journal of Nanoengineering and Nanosystems, (2016)
- A. Shehata and Bayram Cekim, Some relations on Hermite-Hermite matrix polynomials " University Politehnica of Bucharest Scientific Bulletin, Series A: Applied Mathematics and Physics, Vol. 78. No.1, PP. 181-194, (2016)

- A. Shehata, A new extension of Bessel matrix functions, Southeast Asian Bulletin of Mathematics , Vol. 40 No. 2, 265–288, (2016)
- A. Shehata, A new kind of Legendre matrix polynomials " Gazi University Journal of Science , Vol. 29, No. 2 , PP. 535-558, (2016)
- A. Shehata, Some relations on Konhauser matrix polynomials, Miskolc Mathematical Notes, Vol. 17, No. 1, PP. 605-633, (2016)
- A.M. Rashad, Muneer A. Ismael, Ali J. Chamkha, M.A. Mansour, MHD Mixed Convection Of Localized Heat Source/Sink In A Nanofluid-Filled Lid-Driven Square Cavity With Partial Slip, Journal of the Taiwan Institute of Chemical Engineers, 68 (2016) 173-186.
- B. Samir, Strong Amalgamation in Systems of Varieties, Communications in Algebra, Vol. 44 (3), PP. 1227-1235, (2016)
- F. H. Khedr, Delta and theta generalized closed sets in bitopological spaces, Assiut Univ. J. of Mathematics and computer Science 45(2), 1-10(2016).
- F. H. Khedr, Generalized sets in bitopological spaces, Assiut Univ. J. of Mathematics and computer Science 45(2), 23-33(2016).
- F. H. Khedr, Generalized delta semiclosed sets in bitopological spaces " Assiut University Journal of Mathematics and Computer Science, Vol. 45(1) , PP. 1-17, (2016)
- F. H. Khedr, The delta kernel of subsets in bitopological spaces, Assiut University Journal of Mathematics and Computer Science, 45(1), 19-35, 6, 2016, NULL
- F. M. Hady, R. A. Mohamed, A. Mahdy, and Omima A. Abo Zaid, Non-Darcy Natural Convection Boundary Layer Flow Over a Vertical Cone in Porous Media Saturated with a Nanofluid Containing Gyrotactic Microorganisms with a Convective Boundary Condition

- F. Mohamed Hady, A. Mahdy, Ramadan Abdalla Mohamed, Omima A. Abo Zaid, Effects of Viscous Dissipation on Unsteady MHD Thermo Bioconvection Boundary Layer Flow of a Nanofluid Containing Gyrotactic Microorganisms along a Stretching Sheet
- G. M. Mahmoud, Mansour E. Ahmed, and Tarek M. Abed-Elhameed, Active control technique of fractional-order chaotic complex systems " Eur. Phys. J. Plus, Vol. 131- No. 200, (2016)
- G. M. Mahmoud, T. M. Abed – Elhameed, and M. E. Ahmed, Generalization of combination-combination synchronization of chaotic n-dimensional fractional-order dynamical systems, Nonlinear Dynamics, Vol. 83, PP. 1885–1893 (2016)
- G. M. Mahmoud1, Mansour E. Ahmed, and Tarek M. Abed-Elhameed, Active control technique of fractional-order chaotic complex systems, EpJp, Vol.131 - No.200, PP. 1- 11, (2016)
- G.M. Mahmoud, E.E. Mahmoud and A. A. Arafa, Projective synchronization for coupled partially linear complex-variable systems with known parameters, has been accepted for publication in Mathematical Methods in the Applied Sciences, 2016
- I. E. Elsemman, Adil Mardinoglu, Saeed Shoiae, Taysir H Soliman and Jens Nielsen, Systems biology analysis of hepatitis C virus infection reveals the role of copy number increases in regions of chromosome 1q in hepatocellular carcinoma metabolism, Molecular BioSystems, , 3, (2016)
- J. Ali, M. A. Ahmed and H. A. Nafadi, Common fixed points for hybrid pairs of maps in modified intuitionistic fuzzy metric spaces " Journal of Intelligent & Fuzzy Systems, Vol. 31, PP. 2027–2033, (2016)
- J. Nema, R. A. Rashwan, Strong Convergence of Jungck Iterative Scheme in Hilbert Space, Electronic Journal of

Mathematical Analysis and Applications ,Vol. 4(1) Jan. 2016, PP. 168-174.

- K. T. Elgindy, High-order numerical solution of second-order one-dimensional hyperbolic telegraph equation using a shifted Gegenbauer pseudospectral method, Numerical Methods for Partial Differential Equations, Vol. 32 (1), PP. 307–349, (2016)
- K. T. Elgindy, High-Order, Stable, And Efficient Pseudospectral Method Using Barycentric Gegenbauer Quadratures, Applied Numerical Mathematics, Vol. 113, PP. 1–25, 2017
- K. T. Elgindy, Optimization via Chebyshev polynomials, Journal of Applied Mathematics and Computing, NULL, 1 (2017)
- Kh. M. Hosny, Mohamed M. Darwish, A kernel-based method for fast and accurate computation of PHT in polar coordinates " Journal of Real-Time Image Processing , 1-13, NULL, 1, (2016)
- M. A. Ismael, M.A. Mansour, Ali J. Chamkha, A.M. Rashad, Mixed Convection In A Nanofluid Filled-Cavity With Partial Slip Subjected To Constant Heat Flux And Inclined Magnetic Field, Journal of Magnetism and Magnetic Materials 416(2016) 25-36.
- M. A. Mansour, A. M. Rashad, R. S. R. Gorla, S. Siddiq, Inclined Magneto-Hydrodynamic Mixed Convection In Lid-Driven Cavity Filled Within Nanofluids With Partial Slip And Internal Heat Generation, Journal of Nanofluids 5(4) (2016) 634-651.
- M. A. Mansour, Sameh E. Ahmed, A.M. Aly, A.M. Rashad, MHD Effects On Entropy Generation And Heat Transfer Of Nanofluid Flows In Enclosures, Journal of Nanofluids 5(4) (2016) 595-605.
- M. A. Mansour, Sameh E. Ahmed, A.M. Rashad, MHD Natural Convection in a Square Enclosure Using Nanofluid with the Influence of Thermal Boundary Conditions, Journal of

Applied Fluid Mechanics, Vol. 9(5), PP. 2515-2525, (2016)

- M. A. Soliman, H. N. Abd-Ellah, S. A. Hassan and S. Q. Saleh, Finiteness property of deformed revolution surfaces in E^3 (PART I), Electronic J. Math. Analysis & Applications, Vol. 4(1) Jan. (2016), 211-226.
- M. A. Soliman, H. N. Abd-Ellah, S. A. Hassan and S. Q. Saleh, Finiteness property of deformed revolution surfaces in E^3 (PART II), J. Mathematical& Computational Science Sci. 6, No. 3 (2016), 315-336.
- M. A. Soliman, H. N. Abd-Ellah, S. A. Hassan and S. Q. Saleh, Finite type of the pedal of revolution surfaces in E^3 , J. Korean Math. Soc. 53, No. 4 (2016), 909–928.
- N. A. Hussein, A. H. Ahmed and E. G. Sayed, The Classical Triplet Distribution Functions for Three Component Dilute Relativistic Plasma, International Journal of Pure and Applied Sciences and Technology, Vol. 32 -No 1, PP. 17-23, (2016)
- N. A. Hussein, D. A. Eisa and E. G. Sayed, The Thermodynamic Functions in Curved Space of Neutron Star, Zeitschrift für Naturforschung A, Vol. 71 -No 4, PP. 325–329, (2016)
- N. A. Hussein, D. A. Eisa, E. G. Sayed, Classical Equation of State for Dilute Relativistic Plasma, Zeitschrift für Naturforschung A, NULL, 5, (2016)
- N. H. Abdel-All and H. N. Abd-Ellah, Geometric visualization of parallel bivariate Pareto distribution surfaces, J. Egypt. Math. Soc. 24 (2016), 250-257.
- N. H. Abdel-All, F. M. Hamdoon, H. N. Abd-Ellah and A. K. Omran, Corresponding developable ruled surfaces in Euclidean 3-space E^3 , J. Mathematical & Computational Science . 6, No. 3 (2016), 390-404.
- O. R. Sayed and R. A. Borzooei, Soft topology and soft proximity as fuzzy predicates by formulae of lukasiewicz

- logic, Iranian Journal of fuzzy systems, Vol. 13, No. 7, pp. 153 - 168, 2016, null
- P. Kumar Jhade, R. A. Rashwan, and A S Saluja , Coincidence and Fixed point of Nonexpansive type Mappings in 2-Metric Spaces , Bulletin of the International Mathematical Virtual Institute , Vol. 6(2016), 181-188.
- R. A. Rashwan and H. A. Hammad, On Random Coincidence Point and Random Coupled Fixed Point Theorems in Ordered Metric Spaces , JP Journal of Fixed Point Theory and Applications , Volume 11, Number 2, 2016, Pages 125-160.
- R. A. Rashwan and H. A. Hammad, Random fixed point theorems with an application to a random nonlinear integral equation, Journal of Linear and Topological Algebra Vol. 05, No. 02, 2016, 119- 133.
- R. A. Rashwan and Shimaa I. M., N-Coincidence and common N-fixed point for hybrid pair of mappings in partially ordered metric spaces, Journal of Scientific Research & Reports, Vol. 12(5), PP. 1-20, (2016)
- R. A. Rashwan, H. A. Hammad and G. A. Okeke ,Convergence and Almost Sure (S,T)- Stability for Random Iterative Schemes , International Journal of Advances in Mathematics Volume 2016, Number 1, Pages 1-16, 2016 .
- R. A. Rashwan, H. A. Hammad, A Common Random Fixed Point Theorem for Weakly Compatible Mappings in Cone Random Metric Spaces, Universal Journal of Computational Mathematics , 4(4): 67-74 , 2016.
- R. A. Rashwan, H. A. Hammad, Strong Convergence Theorems by Four Step Random Iterative Scheme with Errors for Pseudo-Contractive Mappings, Nonlinear Analysis Forum ,21(2), pp. 77–89, 2016
- R. A. Rashwan, H. A. Hammad. Random Common Fixed Point Theorem for Weakly Subsequently Continuous Generalized Contractions with Application, International

- Journal of Pure and Applied Mathematics, IJPAM , Volume 109 No. 4 2016, 813-826.
- R. A. Rashwan, I. M. Shamaa, On ϕ -Coincidence and Common 2 ϕ - Fixed Points in Ordered Metric Spaces, Adv. Fixed Point Theory, 6 (2016), No. 1, 43-66.
 - R. A. Rashwan, On the convergence of a generalized modified Krasnoselskii iterative process for generalized strictly pseudocontractive mappings in uniformly convex Banach spaces, Fixed Point Theory and Applications (2016)
 - R. A. Rashwan, Random Fixed Point Theorem for Random Mapping, Asia Pacific Journal of Mathematics, Vol. 3(2), PP. 114-125, (2016)
 - R. A. Rashwan, Random Fixed Point Theorem for Weakly Compatible Mappings Under Implicit Relation in Cone Random Metric Spaces, University Journal of Computational Mathematics, Vol. 5(1), (2016)
 - R.A. Rashwan, M.S. Metwally, M.T. Mohamed and A. Shehata , On Composite l(m, n)-Kummer's Matrix Functions of two Complex Variables, Thai Journal of Mathematics Volume 14 (2016) Number 1 : 69- 83.
 - R.A. Rashwan, S.M. Saleh, Some common xed point theorems for four -weakly contractive mappings satisfying rational expressions in ordered partial metric spaces, Int. J. Nonlinear Anal. Appl., No. 1, Vol. 111-130, (2016)
 - S. E. Ahmed, M.A. Mansour, A.K. Hussein, S. Sivasankaran, Mixed convection from a discrete heat source in enclosures with two adjacent moving walls and filled with micropolar nanofluids, Engineering Science and Technology, an International Journal, 19(1) (2016) 364-376.
 - S. Sivasankaran, M.A. Mansour, A.M. Rashad, M. Bhuvaneswari, MHD Mixed Convection Of Cu-Water Nanofluid In A Two-Sided Lid-Driven Porous Cavity With

- A Partial Slip, Numerical Heat Transfer, Part A, 70(12) (2016) 1356-1370.
- T. Aboelenen, H. M. El-Hawary, A high-order nodal discontinuous Galerkin method for a linearized fractional Cahn–Hilliard equation " Computers & Mathematics with Applications, (2016)
- A. M. Rashad, Sameh E. Ahmed, Waqar A. Khan, M.A. Mansour, Inclined MHD Mixed Convection And Partial Slip Of Nanofluid In A Porous Lid-Driven Cavity With Heat Source-Sink: Effect Of Uniform And Non-Uniform Bottom Heating, Journal of Nanofluids, 6(2) (2017) 368-378.
- M. A. Mansour, A. Mahdy, Sameh E. Ahmed, S.S. Mohamed, Entropy Analysis for Unsteady MHD Boundary Layer Flow and Heat Transfer of Casson Fluid over a Stretching Sheet, Walailak J Sci & Tech, 14(2) (2017) 169-187.
- M. A. Mansour, Sameh E. Ahmed Ali J. Chamkha, Entropy generation optimization for MHD natural convection of a nanofluid in porous media-filled enclosure with active parts and viscous dissipation, International Journal of Numerical Methods for Heat & Fluid Flow, 27(2)(2017) 379 - 399.